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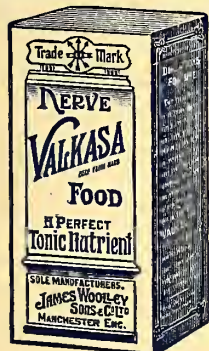
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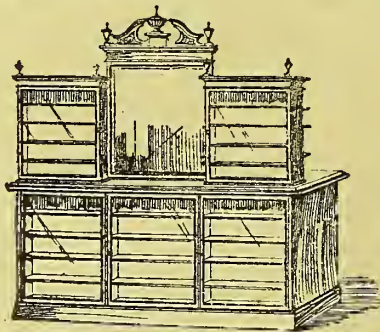


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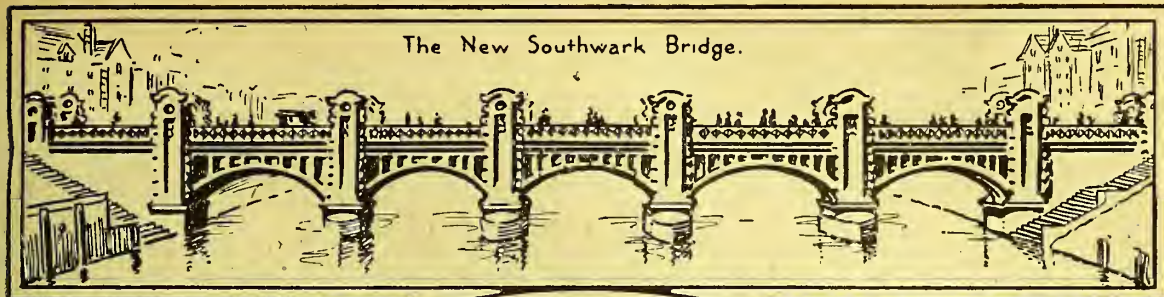
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Cinchonidine and Salts  
Citric Acid  
Cocain Hydrochlor and  
Puriss  
Cream of Tartar  
Creosote Carbonate  
Formaldehyde  
Gallic Acid

Glycerophosphates  
Guaiacol Carbonate  
Heliotropin  
Hexamine  
Homatropine  
Hydroquinone  
Isarol (best Ichthyol  
substitute)  
Lithia Carbonate  
Lithol (Ichthyol substitute)  
Mercurials  
Methylene Blue Medicinal  
Methyl Salicylate  
Peppermint Oil  
Pepsines, Pancreatin, Pep-  
tone and other digestive  
Ferments  
Phenacetin

Phenazone  
Pyrogalllic Acid  
Potassium Sulpho-  
Guaiacolate  
Quinidine and Salts  
Quinine and Salts  
Quinine Ethyl Carbonate  
Salicylic Acid  
Salicylate of Soda  
Salol  
Sugar of Milk  
Tannic Acid  
Tannin Albuminate  
Terpineol  
Terpine Hydrate  
Theobromine  
Thymol Crystals  
Vanillin

**R. W. Greeff & Co.** THAMES HOUSE, QUEEN ST.  
PLACE, LONDON, E.C.

MANCHESTER BRANCH:  
Lloyds Bank Buildings,  
King Street.

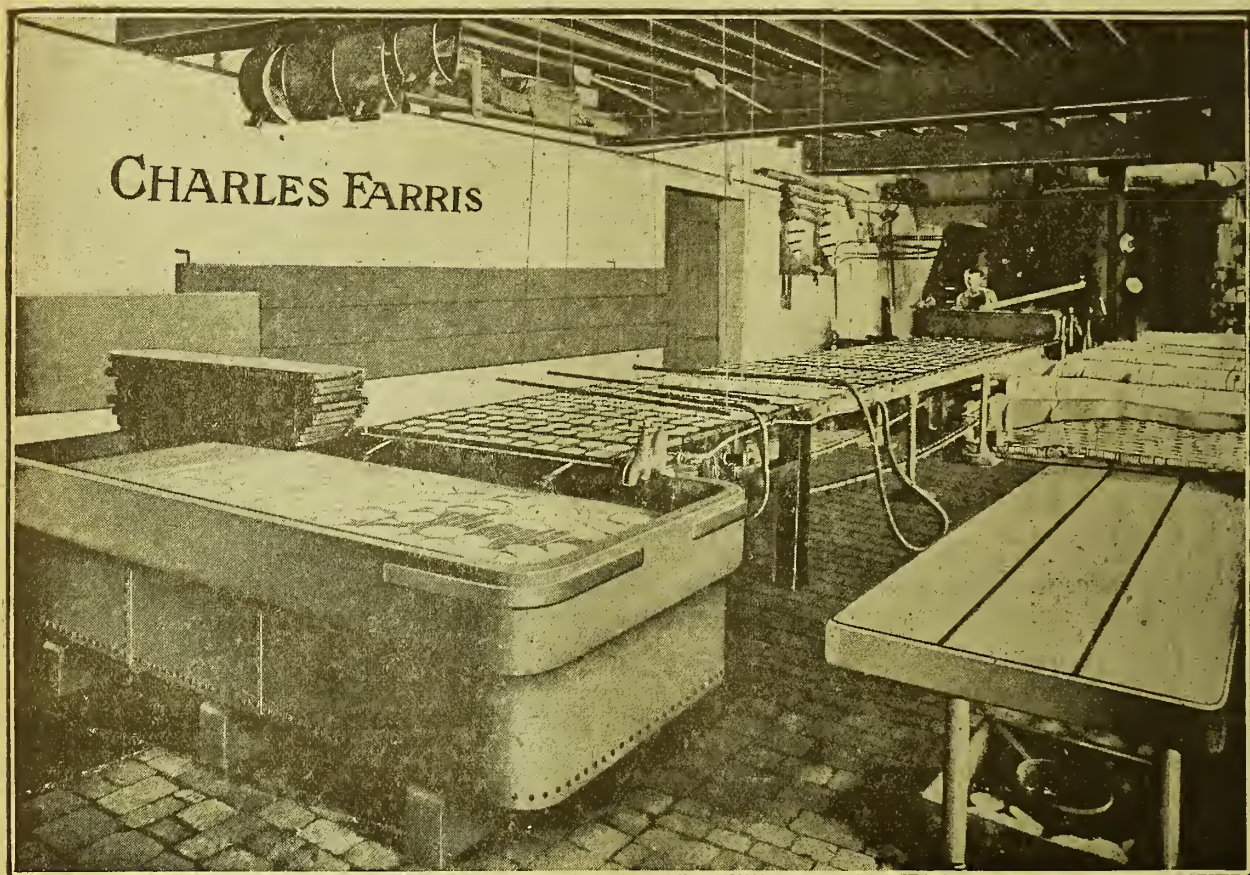
NEW YORK:  
R. W. Greeff & Co.,  
80, Maiden Lane.





# Farris's Genuine Air-Bleached White Beeswax, B.P.

WELL KNOWN FOR EXCELLENCE AND PURITY NEARLY THREE QUARTERS OF A CENTURY.



**FARRIS'S PROCESS No. 5.—THE GENUINE AIR-BLEACHED BEESWAX BEING MELTED INTO DISCS AND CARRIED ALONG AUTOMATICALLY TO THE COOLING TANK.**

Continued from Process No. 4.—After the ribbons of Beeswax are sufficiently white right through, the wax is removed from the canvas sheets in the open air to large vats, where it is finally melted and run into discs which are carried along automatically until they fall into an immense tank of cold water, as seen in the above illustration.



MANUFACTURER AND REFINER OF

OF EVERY **OILS** DESCRIPTION  
**WAXES** OF EVERY  
 KNOWN KIND.



**WAXES PREPARED FOR SPECIAL PURPOSES.**

## CHARLES FARRIS, 71 Bishopsgate, London, E.C.

Works: HELMET COURT, BISHOPSGATE, E.C.

Warehouses and Stores: 91 & 93 BISHOPSGATE, and 12 WORMWOOD STREET, E.C.



TELEPHONE  
CITY 7  
PRIVATE  
BRANCH  
EXCHANGE

TELEGRAMS  
ELEVEN  
CENT  
LONDON

# Maw's Page

S. MAW, SON & SONS  
(G.P.O. BOX No 54)  
7-12 ALDERSGATE ST  
LONDON E.C.

NUMBER 290 MAY 5, 1917

CABLES  
ELEVEN  
LONDON

CODE  
A B C  
4th & 5th  
EDITION

C. TRENTHAM MAW, J.P.  
HENRY T. MAW, M.D.

MOWBRAY T. MAW.  
ARTHUR T. MAW, Ph.C.

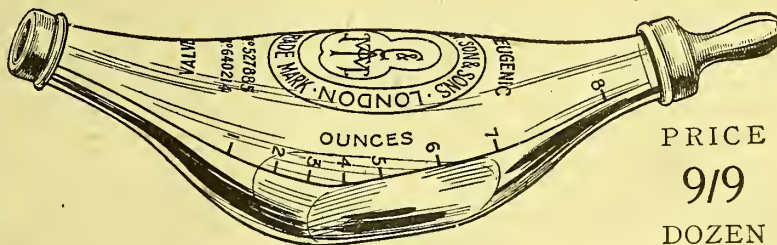


The valve and teat will not pull off. This is one of the outstanding features of Maw's "Eugenic" Feeding Bottle.

## THE "EUGENIC" FEEDING BOTTLE

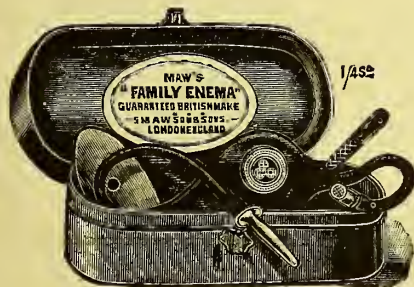
is put up in an aseptic box, complete with non-splitting valve and teat and brush. When placed in position the valve and teat will not pull off.

A splendid cut-out stand to display one bottle is supplied free with orders.



PRICE  
9/9  
DOZEN

"BABY'S BEST BOTTLE."



## THE "FAMILY ENEMA."

An excellent production. Full-size black enamelled, fitted with bone rectal pipe, gum elastic vaginal pipe and shield. In hinged dome-top box.

SUPERIOR QUALITY. BRITISH MADE.

PRICE 35/- DOZ. USUAL DISCOUNT.

# SUPPORT THOSE WHO SUPPORT YOU

Distributors are therefore asked to support us in preference to NON-PROTECTED MAKES.

**33 $\frac{1}{3}$ %**  
**MINIMUM**  
**PROFIT**

RECOMMEND  
**JOHN BOND'S**  
**"CRYSTAL PALACE"**  
**MARKING INK.**

**FIXED**  
**SELLING**  
**PRICES**

With or without heating, whichever kind is preferred.

PLEASE SPECIFY WHEN ORDERING.

As supplied to the Royal Households, and awarded forty-five Gold Medals, etc.

The "ANTI-CUTTING RECORD" says:—"We are strongly of opinion that John Bond's 'Crystal Palace' Marking Ink should not only be kept in stock, but, in common fairness to the Proprietor, distributors may justly give this well-known line all the display, recommendation and push in their power."

MANUFACTORY, 75 SOUTHGATE ROAD, LONDON, N.

TO USERS and DEALERS in METH. SPIRIT and SPIRIT OF WINE.  
FOR QUOTATIONS apply to—

**PRESTON'S LIVERPOOL DISTILLERY CO., L<sup>D</sup>**

The Largest Makers in the Kingdom.

BANKHALL DISTILLERY, SANDHILLS, LIVERPOOL. Office: 4 India B'ngs, Water St., Liverpool.



## POWDER WEED KILLER.

Packed in small decorated tins.  
Immediately soluble in cold water.

All Tins Free. No return Empties.  
SPECIALLY ADAPTED FOR EXPORT.

Have now a large sale through CHEMISTS, and early application should be made for Illustrated Counter Bills & Showcards

Awarded Gold Medal Anglo-American Exhibition.  
Commended by Royal Horticultural Society.

## LIQUID WEED KILLER.

Strength: 1 gall. sufficient for 25 galls. of Water.

AND DOUBLE STRENGTH.

## ARSENITE OF SODA, 80%

ARSENATE OF LEAD.

## QUASSIA CHIPS.

The Acme Chemical Company, Ltd.  
TONBRIDGE, KENT.

And RIVER STREET, BOLTON, LANCASHIRE.

## CHEMICAL PLANT

FOR NEARLY ALL INDUSTRIES IN

STEEL, CAST IRON, BRONZE

AND SPECIAL ALLOYS

## TANTIRON

ORGANIC & SYNTHETIC PRODUCTS,

SALICYLIC ACID & SULPHONATED,

CHLORINATED & ACETYLATED COMPOUNDS.

PLANTS FOR NITRIC, SULPHURIC &  
HYDROCHLORIC ACID.

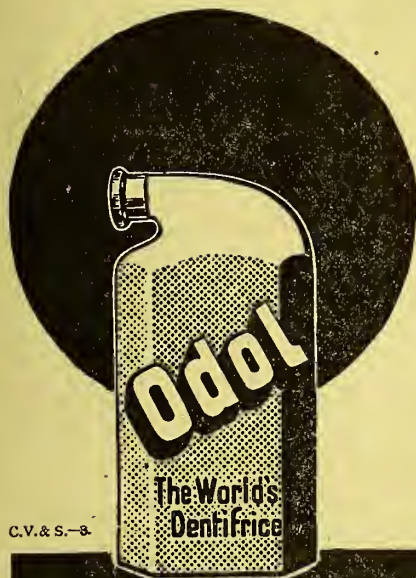
LENNOX FOUNDRY COY., LTD.

GLENVILLE GROVE, NEW CROSS,  
LONDON, S.E.

Telegrams: "Equifex Dept., London." Telephone: New Cross 770.



# NOW BRITISH.



C.V. &amp; S.-8.

Send for  
Price List and  
Trading Terms.

ODOL  
Chemical Works,  
BERKHAMSTED.

## LOFTHOUSE & SALTMER, Ltd.

Wholesale & Export Drug Merchants,  
— Manufacturing Chemists —

### HULL

INVITE the Trade to take up the following valuable P.A.T.A. Protected Lines, bearing a large Protected Retail Profit, which sell freely and are well known and valued by the Public in many parts of the country.

P.A.T.A.	Protected Retail Price.	Dozen Net.
*LOSALL'S SALT (well advertised), tins	7½d.	5/6
" " " " " "	1/2	10/-
" " " " " " bottles in cartons	1/6	12/-

Losall's Salt sells so well, surely it must pay Pharmacists to stock such a large profit-bearing protected line.

### LOSALL'S COMPOUND SULPHUR SOAP.

A valuable emollient medicated skin soap, 13/6 per dozen boxes net. especially suitable for use in Eczema

Chemists requiring effective advertising matter for Losall's Salt, &c., will, on application direct to Lofthouse & Saltmer, receive a liberal supply of Dummies, Showcards, Window Slips, Price Tickets, &c., Carriage Paid, whether or not they have an account open with the Firm.

## APOLOGY.

8 GEORGE STREET,  
PLYMOUTH,

Dated April 2, 1917.

To Messrs. H. P. Truefitt, Ltd.,  
Old Bond Street, London, W.

GENTLEMEN,

I regret that I have infringed your Registered Trade Mark No. 290729, consisting of the word EUCHRISMA by putting on the market a preparation under the name OURCHRISMA, and I hereby undertake that I will not again use the said name OURCHRISMA or any colourable imitation of your said Trade Mark upon any preparation sold by me; and I apologise for the infringement which has been committed, and also agree to pay your Solicitor's charges in the matter, and that you be entitled to publish this apology in such manner as you may consider necessary.

Yours faithfully,

J. COUSENS.

## You Reap the Profits!

The above is only one of the many forceful advertisements now appearing in the most influential National publications and Fashion periodicals telling housewives that Iron-mould is no longer immovable. Moovol contains no injurious acids and is not harmful to the most delicate fabric.

ARE YOU PARTICIPATING IN THE PROFITS?

Send a P.C. for trial stock and display material to

WM. EDGE & SONS, LTD.,  
BOLTON, LANCs.

(THE DRUMMER DYE PEOPLE.)





(Illustration of 4-oz. size.)

May we send our Perfumery Price List  
and quote terms?

## On Your Counter

this attractive Wickered  
Bottle of

# PRICE'S

EXTRA TRIPLE

## Eau de Cologne

will practically sell itself.

A perfume of *unusually fine quality*,  
nicely packed and ready for dispatch.

We will pay carriage on your trial order for  
three bottles, as illustrated, at 34/- per doz.

**PRICE'S, Battersea, London, S.W. 11.**

## THE "MILNER" STRAW HAT CLEANER

*Sells Well Everywhere.*



IT IS EASILY  
USED, AND  
GIVES COMPLETE  
SATISFACTION.

Price **2d.**  
a packet.

Bonus of 6 packets  
given with each gross.

### CHEMISTS' OPINIONS.

"It is really marvellous how this line sells."  
"My customers speak highly of it."

NOTE—Please see the trade mark and name on each package.

### PRICE LIST.

3 dozen 4/-	...	2 gross 2½ %	...	13 to doz. for cash
6 dozen 7/-	...	5 gross 5 %	...	with order.
12 dozen 13/-	...	10 gross 7½ %	...	Carriage paid.

Showcards, Window Slips, &c., supplied with each order.

**Milner's Chemical Co., Liverpool.**

## TITTERTON'S CELEBRATED HAIR BRUSHES



**GOOD  
PROFITS**

are made by selling

**TITTERTON'S  
CELEBRATED  
BRUSHES**

(Hair, Tooth, Nail & Shaving  
Brushes).

They have a world-wide reputation  
for excellence of quality, and perfec-  
tion of workmanship. Should be  
stocked by all Chemists desiring to give  
the public the best value for money.

Illustrated Catalogue on application.

**TITTERTON & HOWARD,**

Brush Manufacturers,

8 & 10 Great Titchfield St., London, W.



# SAVE 3/- PER GALLON BY BUYING GUARANTEED GENUINE NEWFOUNDLAND NON-FREEZING MEDICINAL COD LIVER OIL OF 1916 MAKE.

Highest possible quality in smell, taste and colour, comparing most favourably with the finest Norwegian. Manufactured from the finest fresh Cod Liver on same day as fish caught.

WHOLESALE ONLY.

*Kindly write for sample to*

**JOB BROS., Manufacturers, Tower Building, LIVERPOOL.**

Telegraphic Address: "JOB LIVERPOOL"

Tel. 1039 CENTRAL.

And of ST. JOHN'S, N.F.

Established 1780.

## For Large Buyers. TOILET GOODS.

### TOILET LANOLINE.

In Decorated Tubes, size 4" x 1", 51/- gross.

### BRILLANTINES, clear or separating.

1½ oz., 36/- gross; 2½ oz., 54/- gross;  
40 gall. @ 8/- gall.; 10 gall. @ 8/6 gall.

### LIME CREAM, inseparable.

3 oz. @ 30/- gross; 4 oz. @ 39/- gross;  
6 oz. @ 57/- gross; 8 oz. @ 75/- gross;  
20 oz. @ 168/- gross; 40 gall. @ 6/- gall.

### HAIR CREAM, non-oily.

4 oz. @ 78/- gross; 6 oz. @ 108/- gross.  
8 oz. @ 132/- gross.

### TOOTH POWDER, "Rose Carbolie."

9/- and 14/- gross; Bulk 65/6 cwt.

**STOKES & CO., LTD.**

31/35 Lower Castle St., BRISTOL.



### KILL THOSE FLIES!

—but, should they evade you, keep their poison out of your preparations by using

**SEMREH**  
BOTTLE CAPS.

Details from  
**THE VISCOSÉ**  
Development Co., Ltd.  
BROMLEY, KENT.



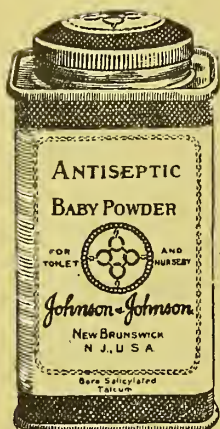
### WRITING INK POWDER

As supplied to Govt. Depts.  
and the principal Railway Cos.  
Saves 98% Freight.  
Suitable for any Climate.

ALSO  
WRITING INKS,  
COPYING INKS,  
GUMS, PASTES,  
INK POWDERS,  
STENCIL INK.

**T. WEBSTER & Co.**  
Diamine Works,  
LIVERPOOL.





Look for the  
Name and  
Trade Mark



## ANTISEPTIC BABY POWDER

MANUFACTURED BY

*Johnson & Johnson.*

We wish to warn our Customers, so that they may be on their guard, that our package is being imitated. This step, which is so easy, is an undignified and shabby attempt to rob us of our goodwill.

### WARNING.

The contents cannot be imitated, and the Trade Mark cannot be imitated; and we would ask those Customers who have handled this preparation for a quarter of a century, with every satisfaction to themselves and to their clients, to resent this method of copying other firms' productions by insisting on having the original package bearing the registered Trade Mark, which is the guarantee of quality.

JOHN TIMPSON & CO., Ltd.,  
104 Golden Lane,  
LONDON, E.C.



Make your  
old Hat a  
new one.

In bottles, 7d.  
each, in separ-  
ate neat car-  
tons, with suit-  
able brush.

These Dyes  
are a distinct  
invention,  
dyeing the  
straw without  
an objection-  
able varnished  
appearance,  
and producing  
the effect of  
new goods.

NO GLOSS. NO POLISH.

On the P.A.T.A.

WRITE FOR TERMS, PATTERNS,  
ALSO LEAFLET OF TESTIMONIALS.

**Luton** HAT  
DYE

WHITAKER & CO., COLOUR WORKS,  
KENDAL, LANC.  
London Depot: 60-62 Clerkenwell Road, E.C.1.  
"Glossy" Series supplied if desired.  
Special Non-Inflammable Series for Export. Est. 1878.  
Telegraphic Address: "Dullette Kendal." Telephone: No. 24.

## A strong DEMAND

for Anzora Cream is anticipated during the late spring and summer months, judging from past experience. Then the hatless habit is strong and men must take greater care of their hair. As you know, Anzora is the only non-greasy preparation that will effectually control the hair and keep it in place as desired.

For dry scalps you should recommend Anzora Viola which contains Anzora Oil of Violets.

Get a good stock in and participate in the coming business boom. Trade Terms: 11/6 per doz. retailed at 18/-; 19/6 per doz., retailed at 30/-. Showcards on request.

Anzora Perfumery Co., 32/34 Willesden Lane,  
London, N.W.

**ANZORA**  
HAIR CREAM



**FIELD'S**  
**"SIANARA" Toilet Soap**  
 (Regd.)  
 With the Enchanting Perfume of OLD JAPAN.

*AN ENTIRELY NEW LINE IN*  
**ROUND BATH**

To sell at 3d., 4d., 5d. and 6d. per tablet.

Let us quote you for your Proprietary Soaps.

**J. C. & J. FIELD, Ltd.,** Toilet Soap Experts. **LONDON, S.E.1.**

Telegrams: "OZOKERIT, PHONE, LONDON."

ESTABLISHED 1642.

Telephone: HOP 3905.

**A powerful antiseptic and deodorant.**

**"PETAL DUST" REGD.**

**The greatest of all floral air-purifiers.**

A concentrated combination of the choicest flowers, aromatic herbs and roots, with the rare spices and gums of Arabia. "PETAL DUST" has been the favourite perfume of all classes for over half a century and still commands the largest sale of any dried perfume in the world.

**Retails in 3d. and 6d. packets**

Attractive Showcards, Counter Bills, etc., with customer's name and address on each packet, for orders of 5 gross and upwards.

SOLE PROPRIETORS—

**THE ROSMARINE MANUFACTURING COMPANY,**  
**STAMFORD STREET, LONDON, S.E.**

CITY DEPOT: H. C. QUELCH & CO., LUDGATE SQUARE, LONDON, E.C.



## ELEY BROTHERS, LIMITED

specialise in the manufacture of the following articles at the lowest prices:

### Shaving Stick Cases

### Oval and Round Tops

for Powder Tins, Cruets,  
Dredgers, etc.

### Metal Boxes

for Dentifrices, Soap Tablets, etc.

### Ferrules

for Walking Sticks, Whips,  
Bamboo Fittings, etc.

### Pencil Fittings

in any of the following metals:  
Brass, Copper or White-metal  
(nickel or silver-plated),  
Aluminium and Jewellers' Metal  
(Tombac).

*During the continuance of the War we cannot undertake orders to make any of the above goods requiring one or more of the metals for their manufacture of which the use for commercial purposes has been prohibited by H.M. Government; but we invite inquiries, as we still have some articles in stock which were made before the prohibition was issued.*

## ELEY BROTHERS, Ltd.

(Dept. 21), Edmonton, London, N.

## Salvo Petrolia

the perfection of Petroleum Jelly

in qualities, white, lemon, yellow  
and golden, for pharmaceutical  
purposes.

MANUFACTURED SOLELY BY

### The Dee Oil Company, Ltd.

Delta Works . Bootle . Liverpool.

Packed in barrels, kegs, and smaller  
packages according to requirements.

Inquiries are solicited for this article  
of **BRITISH MANUFACTURE**, and  
buyers may rely that for quality and  
price it will meet any competition.

Other Grades

### Petroleum Jellies, White Bases, &c.

Samples and prices on application.

"OLEUM DEELINÆ," a certain cure for Eczema.

Phone: 186 Bootle.

Wires: "Cestrian Liverpool."

F. M. RUDD,

Bronson,

MICHIGAN,

U.S.A

### GENUINE AMERICAN PEPPERMINT OIL

"Columbia" Natural  
"Diamond White"  
Re-distilled.

Finest qualities for Druggists,  
Distillers and Confectioners.

Sole Consignees in United Kingdom—

R. W. GREEFF & CO.

Thames House,  
Queen St. Place, LONDON, E.C.

# OILS

CASTOR. GROUNDNUT.

## R. D. GALBRAITH & CO.,

11 BILLITER SQUARE, LONDON, E.C.



# "Newbery's"

FRANCIS NEWBERRY & SONS LTD

STEPS are not needed by the Pharmacist to reach his stocks of "LE BLANC" SERIES OF HAIR TONICS. It saves labour to display them on counter and well to hand on lower shelves, as they move so quickly.

BAY RHUM.  
BAY RHUM & CANTHARIDES.  
BAY RHUM & BRILLIANTINE.  
ROSEMARY & CANTHARIDINE  
HAIRWASH.

These are especially fine lines to stock. They allow a particularly wide margin of profit. 4/- and 7/- per dozen net.

Made in our own Laboratories, we can confidently recommend these lines to the retailer.

Both quality of preparation and get-up are good.

The preparations are of a bright darkish amber colour; the perfumes delicate but decided; the bottles nice to handle; and the labelling attractively lithographed in well-blended colours, making good display packages.

These preparations are most beneficial in beautifying and promoting the growth of the hair, and are lines that fulfil the two great requirements of quality and quantity.

CHARTERHOUSE SQUARE, LONDON, E.C. 1.

## DR EVAN WILLIAMS'



A Business Vitalizer:  
something with  
Real Force behind it.

Apply for Descriptive Price List  
and Trade Terms,  
289, OXFORD ST LONDON, W.

## HIENNA SHAMPOO

# TIN BRITISH MAKE FOIL

Highly polished foils—printed, lacquered, embossed or plain. Guaranteed free from lead for tobacco, cigarettes, food-stuffs, etc. In sheets or reels—large or small quantities

Also collapsible tubes in pure tin, pure lead or lead-coated with tin for rubber solution, artists' colours, tooth pastes and other toilet preparations.

SHAVING STICK CASES.

SCREW-CAPS, ETC

**Venesta Ltd**  
1, GREAT TOWER ST  
LONDON





# W. DAVIS

100 Wood Street, E.C. 2

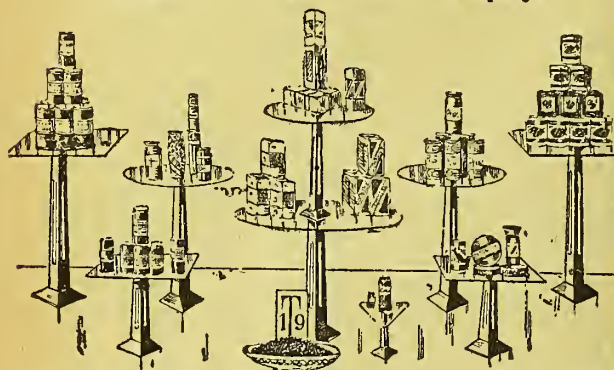
'Phone: City 8220

## for OPEN WINDOW DISPLAYS.

Write for our List, showing many New  
Designs for open Window Displays.



DECORATIVE  
and NEEDFUL



No. 117. Window Set, consisting of 2 27 in., 1 24 in., 2 18 in., 3 12 in., 2 9 in. polished oak pedestals; 2 18 in. by 12 in. plates, oblong; 2 18 in. by 12 in. oval; 1 16 in. by 10 in. oval; 1 24 in. by 18 in., 2 16 in. by 10 in. oblong; 2 12 in. by 12 in. angle plates.

**71/- Complete.**

Our WINDOW PAPERS are 2/9 per roll of 12 yards,  
21 in. wide. WRITE FOR SAMPLES.

## ZEAL'S REGISTERED Clinical Thermometer

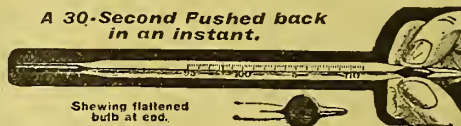
The "REPELLO"

Requires no shaking down.

Guaranteed Accurate.

A 30-Second Pushed back  
in an instant.

Good  
Selling  
Lines for  
Chemists

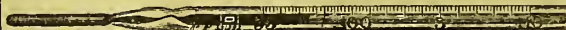


Showing flattened  
bulb at end.

## NEW IMPROVED LENS FINDER

The only Easy Reading Magnifying  
Clinical Thermometer on the Market.

IN FOCUS.



OUT OF FOCUS.

The square mark engraved on lens front  
locates the Mercury column immediately.

SPECIAL AWARD AND GOLD MEDAL, NEW ZEALAND 1907.  
SILVER MEDAL, INDIA, 1909. SILVER MEDAL, LONDON, 1913.

**G. H. ZEAL, 82 Turnmill St., LONDON, E.C.**

Wholesale Manufacturer of

**CLINICAL THERMOMETERS.**

CONTRACTORS TO H.M. GOVERNMENT.

Established 1888.

Telephone No.: 12438 Central.

BRITISH MADE

WE CAN GIVE DELIVERY of the BEST WINTER LINE.

## "SYMPHELITE" Patent SPIRIT STOVES

Absolutely Safe. No Evaporation in Stock. Cheapest in use. No  
Wicks. Renewable indefinitely with Methylated Spirit or PETROL.

NOTE.—If upset the "Symphelite" is quite safe. It will either  
extinguish itself or remain burning on its side like this.



## GREAT DISCOVERY THE ONLY STOVE THAT WILL BURN PETROL

The New Bunsen Stand burns Petrol without Smoke or Danger.

COMPARISON		COST.
Solidified Spirit, boils 2 pints in 34 min.	...	2d.
"SYMPHELITE" "	...	2d.
With Methylated Spirit "	17 "	2d.
" PETROL "	9 "	2d.

### PRICES THE "SYMPHELITE" STOVE.

		EACH.
No. 1 STOVES	...	1s. 3d. and 1s. 9d.
Ditto, Plated...	...	2s. 9d. and 3s. 6d.
TRAVELLING SETS	...	2s. 6d.
Ditto, Plated Steel...	...	6s. 6d.
Ditto, Polished Copper	...	12s. 6d.
Model de Luxe Sets	...	14s. and 17s.
SHAVING SETS	...	1s. 6d.
Ditto, Plated...	...	2s. 6d.
PICNIC BOILERS	...	5s. 9d., 6s. 6d., 7s. 6d.

BRITISH OWNED



IF UPSET  
QUITE  
SAFE.

NO  
LIQUID.

NO  
SPILLING.

LARGELY USED in the TRENCHES.  
Also for Hospitals, Nursing, Motoring, Boating,  
and Household purposes.

A GREAT LINE FOR CHEMISTS  
AND FACTORS.

Trade Discount 33 1/3 %, and 2 1/2 % one month.  
Every Mother needs a "Symphelite" Stove

WORKS—

**THE SYMPHELITE COMPANY**  
SHANKLIN, ISLE OF WIGHT.

London Offices: 77 Craven House Kingsway, W.C.

BRITISH CAPITAL

Agents wanted for the Midlands and West of England.  
A great Export Line for all Countries.

BRITISH LABOUR



# F. DARTON & CO. MANUFACTURING OPTICIANS,

CLERKENWELL OPTICAL WORKS,

142 ST. JOHN STREET, and 52 CLERKENWELL ROAD.

Telephone No.: 1891 CENTRAL.

Telegrams: "EXCEPTIONAL LONDON."

## LENSES

FOR ALL KINDS OF MAGNIFIERS, especially those used for Medical, Dental and Ophthalmic purposes.

We have just completed the furnishing of our factory with up-to-date machinery for the rapid and accurate manufacture of the above, and can guarantee a promptness in delivery second to none of any quantity.

We invite inquiries for quotations and samples.

### PRESCRIPTION AND REPAIR DEPARTMENT.

In this most necessary branch of our business we have the latest improved electrical machinery. A special staff of experienced workmen entirely devoted to the execution of Repairs and dispensing of Oculists' Prescriptions enables us to dispatch all commissions by return mail.

## For the ATTENTION of the DISCRIMINATING CHEMIST

LABELS  
IN BLACK  
AND COLOUR,  
BANDS,  
SEALS,  
ETC.

THE Distinctive Quality of  
our Printing & Stationery  
for Chemists & Druggists  
has received universal  
approval for more than  
— 90 YEARS. —

DESIGNS  
FOR  
PERFUMERY  
AND ALL OTHER  
FANCY  
PREPARATIONS.

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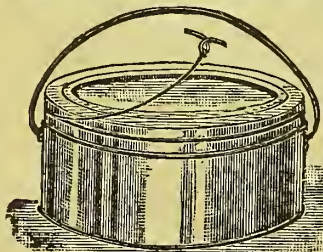
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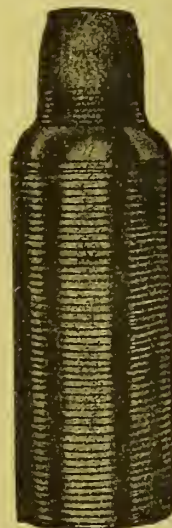
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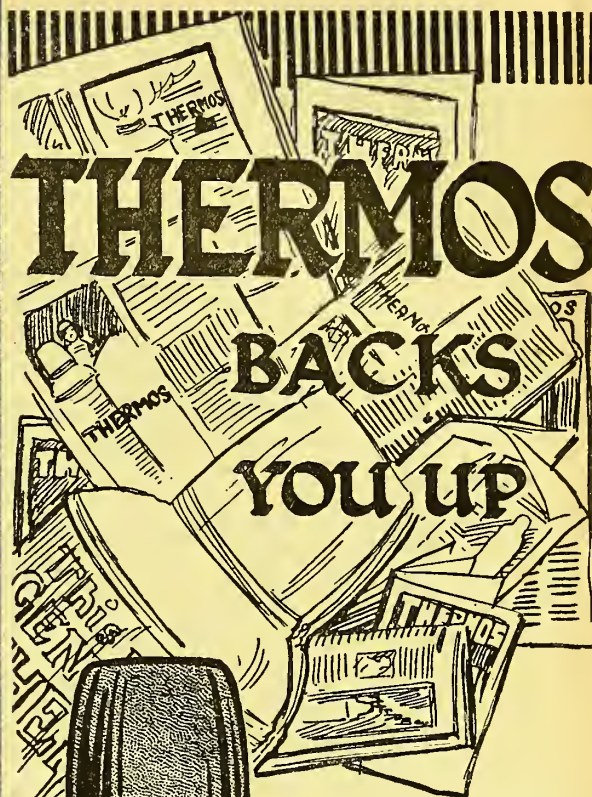
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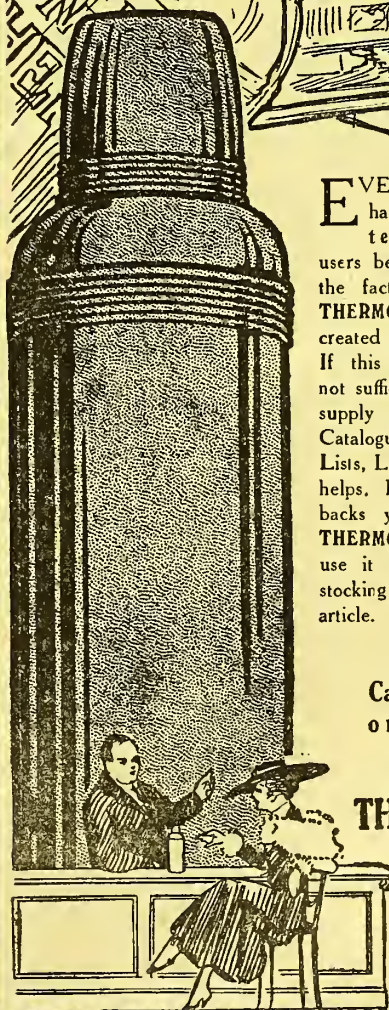


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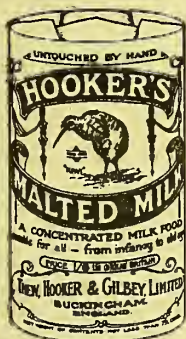
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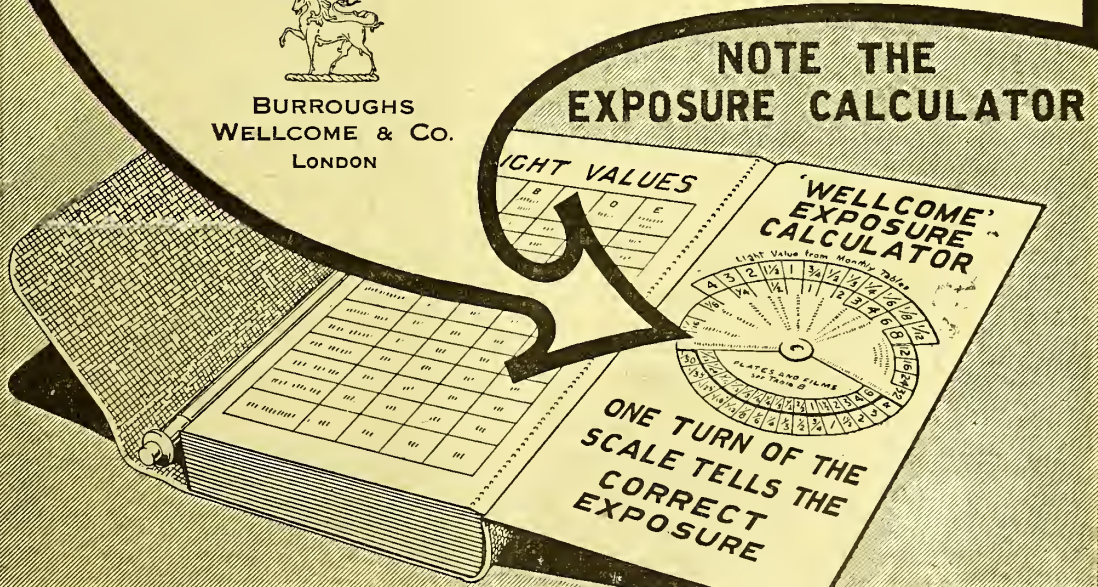
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## Coming Events.

This section of the "C. & D." is reserved for advance notices of meetings or other events. These should be received by Wednesday of the week before the meetings, etc., occur.

#### Sunday, May 6.

Pharmacists' Volunteer Corps, Duke of York's School, Chelsea, at 10 A.M. March to Headquarters (17 Bloomsbury Square) for recruiting meeting, to which members are requested to bring friends.

#### Monday, May 7.

Society of Chemical Industry, London Section, Lyons' Birkbeck Café, High Holborn, W.C., at 8 P.M. Annual meeting and election of officers, followed by a description by Mr. F. A. Hocking of chemical, medical, and sanitary war-work organised by the Russian Government Committee.

#### Thursday, May 10

Chemical Society, Burlington House, Piccadilly, W., at 8 P.M. Informal meeting.

#### Friday, May 11.

Royal Institution of Great Britain, Albemarle Street, Piccadilly, London, W., at 5.30 P.M. Professor John Joly on "Radio-active Halves."

**ALCOHOL FROM CARBIDE.**—The electricity works at Lonza, Switzerland, have obtained a licence for twenty years from the Swiss Alcohol Administration for the production of alcohol from carbide, the works being at Visp, and the same company is erecting a factory at Valais for making acetic acid from the same raw material.

## European War News.

#### Import and Export Notices.

**DENMARK.**—The restrictions on the shipments of apricot-kernels from the United Kingdom to Denmark have been cancelled.

**GREECE.**—The Director of the War Trade Department announces that all "recommendations" issued by the British Minister at Athens before October 1, 1916, have been cancelled. Exporters who desire to despatch goods under licence to that portion of Greece which is not under blockade, and who do not hold recommendations dated subsequently to October 1, 1916, should instruct their consignees to approach a British Consular Officer or the British Diplomatic Agent at Salonica with the view of applying for the issue of a new "recommendation." This document will, if approved, be issued by the British Legation at Athens.

**ITALY.**—As from April 5, the following have been added to the list of prohibited exports: Waxes of all kinds; sponges, crude and worked; minerals and salts of arsenic, strontium, and lithium; formic acid and ether, sensitised films, and animal black.

**UNITED KINGDOM.**—The Supplement to the "Board of Trade Journal" (April 26) contains the complete lists of articles which, according to the latest information received by the Board of Trade, are prohibited to be exported to various destinations from the Straits Settlements, Hong Kong, Nigeria, Gold Coast, Jamaica, Barbados, Trinidad and Tobago, and British Guiana. By an Order in Council of May 1, a number of alterations are made in the prohibited exports list for the purpose of re-classification. In the following the parenthesised letters show the classes: Aërated and mineral waters (A), algin and its compounds (C), camphor (B), cinchona-bark (B), fluorine compounds, oxides of iron, manganese compounds, sodium silicate, and vanadium compounds (C), gum arabic (B), gum damar (A), gums not otherwise prohibited (C), fish and seal oil and mixtures (B), sperm and whale oils and mixtures (A), paraffin wax (A), caramel (A), condiments (C), egg-powder (A), mustard (B), sauces (C), resins (A), spermaceti (A), waxes (B).

#### Seeds, Oils, and Fats Controlled.

An Order under the Defence of the Realm Regulations, issued by the Ministry of Munitions, was published in the "Gazette" of May 1, prohibiting dealing in the following seeds, nuts, kernels, oils and fats, except under licence from the Ministry of Munitions: Castorseed, copra, cottonseed, gingelly (sesame-seed), ground-nuts, hempseed, kapokseed, linseed, mowrahseed, nigerseed, palm-kernels, poppyseed, rapeseed, shea-nuts, sunflowerseed. Oils and fats: Acid oils (from refineries), castor, coconut, cotton, deal, gingelly (sesame), ground-nut, hempseed, kapokseed, linseed, maize, mowrahseed, neutral-lard, nigerseed, oil, palm-kernel, palm, poppyseed, premier jus, rapeseed, shea-butter, soya, sunflower-seed, and tallow. Existing contracts may be carried out, and no licence will be required for quantities not exceeding one ton, provided that the total quantity sold to any one purchaser does not exceed five tons in any one calendar month. The prices at which business may be done in palm-kernels, palm oil, palm-kernel oil, linseed, and cottonseed must not exceed the following: Palm-kernels, 26l. 10s. per ton East Coast ports, 26l. per ton West Coast ports, usual quay or ex ship terms; palm oil, 44l. per ton, usual Liverpool quay terms; palm-kernel oil, 52l. per ton (crushed), net naked ex mill, 51l. per ton extracted; linseed, 30l. per ton (Incorporated Oilseed Association contract delivered terms); cottonseed, 19l. per ton (Incorporated Oilseed Association contract delivered terms). All persons affected by this Order are to make returns as to stocks, purchases, sales, payments, prices, and dealings in any of the articles specified as shall from time to time be required, and all applications for licences or inquiries should be addressed to the Controller of Oils and Fats, Great George Street, Westminster, London, S.W. 1. The Ministry of Munitions has given notice that sales of whale oil may be made up to 25 tons during any consecutive period of three calendar months for delivery within the United Kingdom.

#### Personalia.

**PRIVATE GEORGE GAIR**, Royal Scots, who has been wounded, was on the staff of Duncan, Flockhart & Co., North Bridge, Edinburgh.

**MR. RONALD ANTHONY**, the youngest officer in the Australian Navy, is a son of Mr. Mark Anthony, The Pharmacy, 61 Talbot Road, Blackpool.

**PRIVATE SYDNEY BENNETT**, Manchester Regiment, who enlisted in March 1916 whilst with Wilson & Co., chemists, Darlington Street, Wigan, is reported to be missing.



Mr. T. H. MITCHELL, traveller for Mr. Thomas Swales, Leeds, has joined the Royal Naval Air Service. Mr. Swales asks customers in Yorkshire, Lancashire, and the Midlands to reserve orders until he calls personally.

MR. GILBERT PHILLIPS, son of Mr. S. Phillips, Ph.C., Lichfield Street, Wolverhampton, after being in France for twelve months in the Artists' Corps, has received a commission in the King's Liverpool Regiment.

PRIVATE ANDREW JOHNSTON, of the Argyll and Sutherland-shire Highlanders, has been transferred to the Gas Section of the Royal Engineers, and is now in camp in the South of England. Private Johnston was a chemist's assistant in Glasgow until he joined the Army. He finds other chemists' assistants in his new position.

LIEUTENANT PERCIVAL POLLARD, R.A.M.C., only son of Mr. William Pollard, chemist, Wakefield, has been presented with a gold medal by the Italian Government for services to Italian troops rescued from a sinking ship. Dr. Pollard is M.B., Ch.B., of Victoria, and a partner with Dr. Arthur Hawkyard, Hunslet, Leeds. He joined the R.A.M.C. in August 1916.

MR. RAYMOND YOUNG, brother of Mr. T. M. Young, Secretary South Australia Pharmacy Board, and of the Pharmaceutical Society, Adelaide, is one of the Australian Expeditionary Force in England. He joined up in March of last year, and has been in France, but came to England recently, and expects to go back again to the fighting lines before the end of May.

PRIVATE GORDON CUMMINGS, Machine Gun Company, after spending two-and-a-half years at the Front, is now lying in Treport Hospital, France, suffering from shell-shock. He is the eldest son of Mr. John Cummings, chemist and druggist, Alloa. The second son, Ian Bruce Cummings, has been gazetted second-lieutenant in the 3rd Battalion Argyll and Sutherland Highlanders.

STAFF-SERGEANT F. MARRIOTT, of the Australian A.M.C., is now in England as principal of the pharmacy department in one of the big camps. The staff-sergeant was apprenticed to Mr. D. J. Clarke, pharmacist, Brisbane, and thereafter studied at the Queensland College of Pharmacy under Captain R. C. Cowley, whom he holds in high regard. As soon as he passed the examinations of the Queensland Board of Pharmacy he joined the Australian Forces, and left in December last to take up pharmaceutical duties in the A.A.M.C.

MR. S. NICHOLAS, of E. Guillevic & Co., 19 St. Dunstan's Hill, E.C. 3, was grievously wounded in a recent advance in France, and his right leg has been amputated, but he is progressing favourably. Mr. S. G. Beckley, another of the firm's chief employes, is in Salonica, but is expected home shortly to train for a commission. Mr. E. F. Guillevic himself belongs to the French Reserve, and has been for months past serving in the ranks of the French Army. The branch in London is at present managed by the only employe remaining, Mr. E. S. Cleal, who is unfit for military service.

#### Miscellaneous.

NORMAN G. E. MASON, chemist's assistant, was at Hull on April 26 fined two guineas for failing to join the Army. Mason said he had conscientious objection to fighting. He was handed over to the military authorities.

ALLOWANCES TO CALLED-UP DOCTORS.—In the case of doctors called up for service the usual allowance of 30l. in respect of output will be given. The gratuity of 60l. for each twelve months or part thereof will also be given.

ENEMY PATENTS.—May & Baker, Ltd., Battersea, London, S.W., are applying for the avoidance or for a licence to use patent 24652/10, "Manufacture of 3:6: diamino-acridine and its derivatives," belonging to Leopold Cassella & Co. The hearing is on May 11. The Trustees of the British Museum, Natural History Museum, are also applying for the use of patent 8621/09, "Process for rendering organic and inorganic bodies transparent or translucent," belonging to an alien enemy named Streller.

U.S. FIRMS OFF THE BLACK-LIST.—The "London Gazette" announces that all persons or bodies of persons in Porto Rico, in the Philippine Islands, and in the United States of America are, by an Order in Council, omitted from the Trading with the Enemy Statutory List Proclamation.—A new list of additions to the statutory black-list has been issued, dealing with Argentina and Uruguay, Brazil, Chile, Ecuador, Morocco, Netherlands, Netherlands East Indies, Norway, Spain, and Venezuela, fifty-three names in all being given, of which fifteen are in Spain.

A CORRESPONDENT of the "Drogenhändler," who wanted a recipe for making soap, was refused the desired information, as it is forbidden to make soaps without the permission of the War Committee for Oils and Fats.

## English and Welsh News.

The Editor would be obliged if subscribers would send him marked copies of newspapers containing items of interest for insertion in this or other news sections of the "C. & D."

### Diachylon Scheduled as a Poison.

The "London Gazette," April 27, contained a report of a meeting of the Privy Council at the Council Chamber, Whitehall, on that date. The Lord President (Lord Curzon), Lord Rhondda, and Secretary Sir George Cave were present. The report is as follows:

Whereas by Section 2 of the Pharmacy Act, 1868, it is enacted that the several Articles named or described in the Schedule (A) to that Act shall be deemed poisons within the meaning of that Act, and that the Council of the Pharmaceutical Society of Great Britain may, from time to time, by Resolution declare that any Article in such Resolution named ought to be deemed a poison within the meaning of that Act, and that thereupon the said Society shall submit the same for the approval of the Privy Council; and that if such approval shall be given, then such Resolution and approval shall be advertised in the "London Gazette"; and, on the expiration of one month from such advertisement, the Article named in such Resolution shall be deemed to be a poison within the meaning of that Act:

And whereas by Section 1 of the Poisons and Pharmacy Act, 1908, it is enacted that Schedule (A) to the Pharmacy Act, 1868, be repealed, and the Schedule to the Poisons and Pharmacy Act, 1908, substituted therefor, and that the said last-named Schedule may be amended by adding thereto any Article in the manner provided by Section 2 of the Pharmacy Act, 1868:

And whereas the Council of the Pharmaceutical Society of Great Britain did, on the 4th day of April, 1917, by virtue and in exercise of the powers vested in them by Section 2 of the Pharmacy Act, 1868, as modified by Section 1 of the Poisons and Pharmacy Act, 1908, resolve and declare as follows:—

"That Lead in combination with Oleic Acid, or other higher fatty Acids, whether sold as Diachylon or under any other designation (except machine-spread plasters) ought to be deemed a Poison within the meaning of the Pharmacy Act, 1868, as amended by the Poisons and Pharmacy Act, 1908, and ought to be deemed a Poison in Part 1 of the Schedule of Poisons to that Act."

And whereas the said Society have submitted their Resolution for the approval of the Privy Council, and the Lords of the Privy Council are of opinion that the said Resolution should be approved:

Now, therefore, their Lordships are hereby pleased to signify their approval of the said Resolution.

It will be noted that lead plaster or any combination of lead with fatty acids will become Part I. poisons on Sunday, May 27. Machine-spread plasters are excluded, but not plasters spread by hand. The following articles are covered:

Emp. belladonnæ.	Emp. litharg. co.
Emp. calefaciens.	Dr. Pearson's cerate.
Emp. hydrargyri.	Hebra's ointment.
Emp. plumbi.	Ung. diachylon. carb.
Emp. rosine.	Ung. diachylon. et paraff.
Emp. saponis.	Ung. diachylon. et salicylat.

Other allied preparations are included, and all are Part I. poisons, as also are preparations containing them.

### Birmingham.

The Highfield Cricket Club, King's Heath, whose President is Mr. F. Halcock, are running a team this season, and hone to secure a match with the local pharmacists as last year.

Mr. Henry H. Marshall, 123 Alcester Road, Moseley, Hon. Secretary of the Minimum Prices Committee of the Birmingham Pharmaceutical Association, has issued the May list of minimum retail prices. There are nine changes in drugs, thirteen in proprietaries, and two in packed goods.

The preliminary subscription-list of the Parliamentary Fund is headed by Southall Bros. & Barclay, Ltd., with 15 guineas; Messrs. Buckingham, Corfield, Izon, Poole, Prosser, Radford, Smallwood, and Wakefield, 2l. 2s. each; and Messrs. Lloyd and F. Smith, one guinea each. A circular has been issued by the local Secretary, asking for further subscribers.

### Liverpool.

Mr. John Bain has parted with another assistant, who is joining the Colours this week. His two sons have been serving from the first. A few days just spent at Blackpool mark Mr. Bain's last possible holiday during the rest of the war.

Wholesale houses have found it necessary to send out circulars drawing attention to the current regulations affecting the sale of wines. Pharmacists who have not wine-licences must send cash with orders for medicated wines, and not order through travellers.



Pharmacists from a wide district are especially apt at this time to run into Liverpool for articles of which they are out of stock, and which are on the restricted sale list. It would be a convenience if they would either announce themselves at the counter or present their cards.

The IXL Concert Party (which consists of employes of Ayton, Saunders & Co., Ltd.) gave a very successful concert recently to the patients at Venice Street Auxiliary Hospital, under the chairmanship of Mr. Harold Nixon. Since Christmas this party has given musical entertainments in five military hospitals.

A Social Welfare helper is about to be introduced to a Hanover Street firm employing, besides a large but war-depleted male staff, hundreds of young women and girls. The want of a recreation ground is keenly felt, but a dining-hall has been hired, and in this the Welfare lady will have considerable scope for her varied efforts.

#### Sheffield.

Private Colin Bell, who was with Mr. C. H. Hewitt, chemist and druggist, Division Street, has been severely wounded in the thigh, and is in France, but expects to be in England soon. He writes cheerfully.

Private Ernest Worrall has been severely wounded in both legs in France. He was with Mr. J. T. Appleton, Walkley, prior to the war. Both legs have been saved, and every hope is entertained of a complete recovery.

The Sheffield Small Traders' Defence League is up in arms. The League was only formed a few weeks ago, and has now a membership of over 2,000, and has secured 60,000 signatures to a petition against the Corporation resolution to stop Sunday trading.

Mr. Lionel S. M. Dawson, City Road, Intake, has one of the most attractive suburban businesses, and is a firm believer in window-displays. At present he is giving a pleasing exhibition of Garth's tablets and Formaline tablets, the whole being backed with green drapings.

Mr. Bernard Jas. Cooper, chemist and druggist, son-in-law to Mr. Wm. Brinson, The Laurels, Chesterfield, and manager of Eardley & Furnival's Broomhill establishment, has taken over the old-established business which was carried on for many years by the late T. Cragg-James, Birkenhead. Mr. Gordon Stewart Galloway, chemist and druggist, Alsager, Stoke-on-Trent, is to manage the Broomhill branch.

#### Sugar-supply of the Empire.

The London Section of the Society of Chemical Industry has formed a Committee of experts in industries connected with sugar throughout the Empire to inquire into the question of providing a supply which should render the Empire independent of sugar from foreign sources. The Committee comprises:

Sir George Beilby, F.R.S.  
Mr. R. Blair, of the Glebe Sugar Refining Co.  
Professor M. J. R. Dunstan, of Wye Agricultural College, representing sugar-beet cultivation in the United Kingdom.  
Sir Richard Garton, of Garton & Co.  
Mr. T. H. P. Heriot, of the Glasgow Technical College.  
Mr. J. W. Macdonald, of Henry Tate & Sons.  
Mr. G. Mathieson, representing the Manufacturing Confectioners' Alliance.

Mr. F. I. Scaird, representing Colonial cane sugar. The Chairman of the London Section of the Society of Chemical Industry, Mr. Arthur R. Ling, will act as Chairman of the Committee, and Mr. T. D. Morson as Secretary. The Committee will consider the wants of the Empire with regard to sugar, and the best means of satisfying these wants. The subject of the development of technical education in regard to sugar-production will also be considered.

#### Miscellaneous.

CIRCULARS printed before March 2 may be used not only for wrapping-purposes but for distribution. So the Secretary of the C.D.A. has been informed by the Paper Commission.

MR. CLEMENT P. CLAYTON, 187 Hertford Road, Enfield Wash, representative of Mr. E. R. Buggé, F.C.S., manufacturing chemist, Greenwich, has obtained an agri-horticultural poisons-licence from the Middlesex County Council.

LUTON CHEMISTS AND DRUGGISTS have been brought by the Town Council within the terms of a half-holiday closing order (Wednesday, 1 P.M.), subject to the sale of medicines and medical and surgical appliances not being interfered with.

SHORTAGE OF DOCTORS.—Mr. Benson Harries, President of the Newport Pharmacists' Association, has been interviewed by the "South Wales Argus" with regard to the shortage of doctors. Mr. Harries presses home the fact that if doctors were engaged exclusively on diagnosis and gave up dispensing, for which they have not been trained, they would have more time to devote to medical duties.

POISONINGS.—In a case of arsenic-poisoning by misadventure, which was investigated at Saffron Walden during the week, it appeared that a farmer named Grose died through eating oatmeal-cakes that had been made in mistake with some arsenical oatmeal supplied by John Bennett, vermin-destroyer. This consisted of oatmeal 7 lb., arsenic 2 lb., moist sugar 1 lb. The poison was in an unlabelled tin, and Mrs. Grose was exonerated of having shown negligence.

WAR DEAFNESS.—Mr. J. Dundas Grant, F.R.C.S., lectured at the Royal Institution, Albemarle Street, London, W., on April 27, on "The Organs of Hearing in Relation to War." He dealt first with the Army requirements regarding acuteness of hearing and the effect of aviation on the organs of hearing. Aeroplane flight, he said, has little tendency to produce vertigo. Interesting information was given on the nerve-cells of the brain which receive and transmit sound. There is room for more research on the subject, which should be encouraged in this country. The effects of the noise of the guns and of injuries to the ear were then dealt with. When the concussion of an explosion ruptures the tympanic membrane, the pressure of the air is relieved and the internal ear often escapes injury. The effect of quinine and arsenic on the nerve-cells was touched on. In regard to the prevention of gun-deafness, the lecturer spoke very highly of the Mallock-Armstrong ear-protectors. Lip-reading is the most advantageous direction in which the education of the deaf soldier can be carried.

## Irish News.

#### Brevities.

Mr. Cecil L. Davis, who has obtained the gold medal of the Pharmaceutical Society of Ireland, served his apprenticeship with Mr. W. S. Taylor, Ph.C., Enniskillen.

Sir Thomas W. Robinson, Ph.C., managing director of Hayes, Conyngham & Robinson, Ltd., Dublin, has been elected Chairman of the Port of Dublin Sanitary Authority for the ensuing year.

Mr. J. Martin Poots, Ph.C., has opened a pharmacy at 5 Castle Street, Newtownards. Mr. Poots served his apprenticeship with Davidson & Hardy, Belfast, and, afterwards with Mr. J. A. Woodside, Ph.C., Ballymena.

Mr. W. Haslett, druggist, Ormeau Road, Belfast, has been elected a Vice-President of the Belfast and the North of Ireland Grocers' Association. Mr. Haslett is an ex-President of the Chemists' and Druggists' Society of Ireland.

The Local Government Board has declined to sanction the giving of the contract for drugs to Boileau & Boyd by the Carrick-on-Suir Guardians, on the ground that the tender of Sumner & Co., Liverpool, was lower. The North Dublin Guardians have had a similar problem before them, and they are endeavouring to get the Local Government Board to agree to an Irish firm obtaining the contract.

## Scottish News.

#### Brevities.

The opinion of the North British Branch Executive regarding the impracticability and virtual impossibility of pooling chemists' businesses is the general view of Scottish pharmacists.

Much satisfaction is expressed in pharmaceutical circles that the Glasgow Tribunal is not compelling exempted chemists to join the V.T.C. This is on the ground that pharmacists are engaged, and their time is wholly occupied, in most responsible work.

Amongst the new by-laws of the Glasgow and West of Scotland Chemists' Association is one which reads:

"To issue a Price-list or Lists periodically for the guidance of members, and to negotiate exchanges of surplus stock between members of the Association."

There seems to be rather a plague of mice in various districts of Scotland, and chemists are not immune. A report from Aberdeenshire states that a local chemist had the sugar coating of Easton's syrup-tablets nibbled completely away, while the soft mass was left untouched.

Glasgow Parish Council has accepted contracts for surgical and antiseptic dressings from Baird Bros. (1.233l. 6s. 6d.); medicinal oils, R. Motherwell & Son (157l. 10s.); malt-extract, Mr. W. E. Taylor (71l. 5s. 5d.); carbolic acid, F. C. Calvert & Co. (51l. 19s. 4d.); oxygen gas, British Oxygen Co. (3l. 2s. 1d.); and carbonic-acid gas, James Calder & Co. (5l.).



## Legal Reports.

**"Passed Off" as Bovril.**—In the Chancery Division of the London High Court on April 30, Bovril, Ltd., sought an injunction restraining A. J. Tatton, the Stag and Pheasant Hotel, Leicester, from supplying for "Bovril" meat-extract which was not the goods of the plaintiffs. Mr. Hughes, K.C., stated that the defendant submitted to a perpetual injunction and would pay a certain sum as damages and costs. Mr. Justice Paterson ordered accordingly.

**Medical Acts.**—At Blackpool on April 30, the Magistrates fined Henry Marfleet 10*l.* for pretending to be a doctor of medicine. He had premises at 28 Coronation Street and 59 Foxhall Road, Blackpool, where he exhibited a notice which read:

"Dr. Marfleet, N.H.P.A., U.S.A., from Acerrington; advice on health, how lost, how regained, and how to keep it; all advice on health free; 30 years' experience. I treat all manner of diseases successfully; rheumatism and consumption cured here."

Defendant admitted that he was not a qualified doctor, but said he had a certificate from an American herbalist association which entitled him to use the word "doctor."

**Tr. Quinine Ammon.**—At Oswestry Police Court on April 26, Robert Reeves, chemist and druggist, Oswestry, was summoned, under Section 6 of the Sale of Food and Drugs Act, 1875, for selling ammoniated tincture of quinine which was certified to be deficient. Mr. C. E. Sandall, manager for Clay, Dod & Co., manufacturing chemists, Liverpool, from whom defendant purchased the tincture, said the deficiency arose through a mistake on the part of a chemist in the laboratory, and owing to shortage of labour they were unable to test the laboratory sheet on this occasion. The Magistrates by a majority decided to convict. They did not consider defendant responsible for the deficiency, but he was responsible as the seller. A fine of 5*l.* was imposed.

**Paregoric.**—At Hull on April 26, Thos. William Agar, chemist and druggist, 30 Londesborough Street, was summoned under Section 6 of the Sale of Food and Drugs Act, 1875, for selling paregoric which had been certified to be deficient in alcohol to the extent at least of 6 per cent. by volume. The defendant stated that until he received the summons he had no idea the paregoric was deficient, but when he saw the specific gravity was 90.37 he knew there had been a mistake. He had about fifty tinctures in the shop, and, with the exception of two, they were all bought from a wholesale house. This paregoric was part of a pint he made himself because he could not get his supplies. The mistake had been made, he suggested, through his being called to the counter whilst he was making it up. There was absolutely no dishonesty intended. It was a slip, pure and simple. The Magistrates fined defendant 2*l.* 2*s.*

**Alleged Slander.**—In the King's Bench Division of the High Court, London, before Mr. Justice Coleridge and a jury, on May 2, Mr. Ludwig Naumann, essential-oil merchant and a conscientious objector, now in Wormwood Scrubbs, sued Mr. R. C. Treatt, essential-oil merchant, Dunster House, Mincing Lane, E.C., for damages for alleged slander. It was stated on his behalf that in March 1916 the defendant, when talking to Mr. W. S. Phillips, broker, in a restaurant in Mincing Lane Sale-rooms, said, "Naumann has been had up and convicted for trading with the enemy," and subsequently that "a supervisor had been appointed by the Board of Trade." The defendant denied the slander, pleading "privilege." Evidence was given by Mr. Phillips and the plaintiff. It transpired from what was stated by the latter that he is a conscientious objector, and had come that morning from Wormwood Scrubbs Prison. Evidence was also given by a Board of Trade inspector, and the defendant told the Court that he only repeated what was in a letter from the Board of Trade, and said nothing about Mr. Naumann being had up. He bore no ill-will towards him, and knew he was a British-born subject. Eventually the jury found in favour of the defendant, and judgment was entered accordingly, with costs.

**Action against British Medical Association.**—In the King's Bench Division of the High Court, London, on April 27, before the Lord Chief Justice, an application was made to postpone indefinitely the action of Pratt and others v. British Medical Association (*C. & D.*, April 21, p. 38). Mr. McCall supported the application, and Mr. Schwabe, K.C., spoke for the plaintiffs, complaining that plaintiffs had been prevented from attending the wounded in hospitals, and that members of the Association would not attend them in consultation. He submitted that it would

be a grave injustice if plaintiffs could not get a trial. In reply to the Lord Chief Justice, Mr. McCall stated that the condemnation of the dispensary must continue. The Lord Chief Justice: The question is whether these medical gentlemen are to be prevented from meeting the members of your Association in consultation or attending the wounded patients in the hospital. Mr. McCall: As long as they attend the dispensary they cannot meet the members of the British Medical Association. The Lord Chief Justice: In the national emergency cannot they relax the rules if you are granted the indulgence for which you now ask? Mr. McCall: I don't think that the defendants should be asked to relax their condemnation of the institution. After further argument, Mr. McCall undertook to consult the Committee, and the application was further adjourned for ten days.

**Medicine-stamp Acts.**—At Bow Street Police Court, London, before Sir John Dickinson, on April 27, Constantine & Jackson, Ltd., chemists, Chancery Lane, were summoned for exposing for sale proprietary medicines and preparations, held out to be beneficial in specific ailments, which were not stamped. Mr. Frank Dart appeared on behalf of the Commissioners of Customs and Excise, and defendants were represented by their managing director. The Magistrate asked him why a solicitor had not been instructed. The managing director replied that he was there to ascertain what the law was on the issue raised by the summonses. The Magistrate said his curiosity on that point made it very desirable to employ a solicitor. The Managing Director: My solicitor says we can do nothing until we find out the law by getting a magisterial decision. He has been studying the Act, and cannot make anything out of it. Sir John Dickinson: That is an extraordinary defence. Mr. Dart said there were three summonses against the defendants. Mr. Albert H. Hall, surveyor, said that on March 7 he went to the defendant's shop in Chancery Lane, and on a card in the window saw the words, "Prevention—use Antifetion ointment, and no contagious diseases can be contracted." He purchased a box of the ointment for 2*s.* There was a label round the box, but no stamp. Mr. Arthur Baker, an officer of Customs and Excise, deposed to seeing in the same window a card advertising "Dr. Henry Paterson's Damiana Pink Pearls, the great restorer of vital force and certain cure for physical debility. Per bottle, 2*s.* 9*d.*, 4*s.* 6*d.*, and 11*s.*" He purchased for 2*s.* 9*d.* a bottle that bore no stamp. He afterwards went to a shop in Red Lion Street, Holborn, also kept by the defendants, and purchased a box of Antifetion ointment which bore no label. The defendants' managing director pointed out that the Pink Pearls label did not mention any specific disease, and he argued that they were not liable to duty. The Magistrate said that common-sense would tell anyone that general debility is an ailment, and, after another remark by the managing director, said he could now understand why a legal representative had not thought it necessary to attend for the defence, and imposed a fine of 10*l.* and 3*l.* 3*s.* costs in respect of each of the summonses—39*l.* 9*s.* in all.

## New Companies and Company News.

P.C. means Private Company and R.O. Registered Office.

**ST. QUINTIN'S CASH DRUG STORES, LTD. (P.C.).**—Capital 500*l.* Chemists, druggists, etc. The subscribers are F. C. Dawkins and E. W. Tinkham. R.O., 10a North Polo Road, North Kensington, W.

**C. H. BRYANT, LTD. (P.C.).**—Capital 2,000*l.* Objects: To take over the business of C. H. Bryant, manufacturing chemist and dealer in drugs, 20 Heneage Lane, E.C. The first directors are J. E. Bryant and A. M. Bryant.

**A. LAWSON, LTD. (P.C.).**—Capital 600*l.*, in 1*l.* shares. Objects: To acquire and carry on the business of chemist and druggist at Perth Road, Dundee. Subscribers: James Ramsay and Andrew Gray. R.O., 84 Commercial Street, Dundee.

**EAST STRATFORD WORKS, LTD. (P.C.).**—Capital 2,000*l.* Objects: To carry on the business of manufacturers of and dealers in chemical, industrial, and other preparations, etc. The subscribers are J. K. Harris and A. H. Simpson. Solicitors: Scott, Bell & Co., 15 Queen Street, E.C.

**SHIRLEY BROTHERS, LTD.**—Mr. E. Hill, 79 Mark Lane, E.C., has been appointed receiver and manager.

**LEVINSTEINS, LTD.**—The directors have declared an interim dividend on account of 1917 of 15 per cent. (actual), same



as a year ago. The directors cannot yet furnish the balance-sheet for 1916 or declare a final dividend, if such be justified, on the ordinary shares. Two interim dividends of 15 per cent. (actual) were declared for 1916.

**BENGER'S FOOD, LTD.**—The report for the year ended March 31, 1916, states that, after providing for depreciation, directors' and auditors' fees, and income-tax, trading (including income from investments) has resulted in a profit of 34,327/., which, with 7,950/., brought forward, gives a disposable balance of 42,277/. The directors recommend a dividend of 1s. 3d. per share, free of tax, on the ordinary shares (making 2s. 3d. for the year), and carry forward 4,152/.

**WRIGHT, LAYMAN & UMNEY, LTD.**—The annual meeting of shareholders was held at 46 Southwark Street, S.E., on April 27. Mr. Herbert C. Wright took the chair for the first occasion, having succeeded the late Charles Umney, to whom most sympathetic reference was made. The report of the directors and balance-sheet for the year 1916 (*C. & D.*, April 28, p. 36) was received and adopted. Mr. Ernest B. Layman, the director who retired by rotation, was re-elected, as also were the auditors (Evans, Fripp, Deed & Co.).

## Westminster Wisdom.

By the "C. & D." Parliamentary Representative.

### THE METRIC SYSTEM.

The Prime Minister has decided to add several new members to the Sub-Committee of the Reconstruction Committee which is investigating the metric and decimal systems. Meanwhile, the Sub-Committee is going on with a most comprehensive inquiry into the working of the metric and decimal systems abroad.

### THE USE OF COCAINE.

Notice has now been given, on behalf of the Home Secretary, that the permission granted to persons *bona-fide* engaged on July 28 last in practising dentistry, but not registered under the Dentists Act, 1878, to purchase preparations containing not more than 1 per cent. of cocaine, for use solely as local anaesthetics in connection with dental work, has been extended to July 31 next.

### INOCULATION VACCINES.

Mr. H. W. Forster, M.P., has informed Mr. T. Wing that grants in aid to cover the cost of materials used and the extra laboratory expenses involved in the preparation of vaccines for use in military hospitals, amounting to 4,465/., have been made to the inoculation department of St. Mary's Hospital, Paddington. On behalf of the Admiralty it is stated that no public money has been expended on the supply of vaccines from this hospital.

### VENEREAL DISEASES BILL.

Standing Committee A of the House of Commons, considering the Venereal Diseases Bill on Thursday, May 3, rejected, by twenty-two votes to eight, Mr. Glyn-Jones's proposal as to medical practitioners supplying patients with medicine (*C. & D.*, April 23, p. 38). Mr. Glyn-Jones also moved his new Sub-Clause 2 (given on the same page). After remarks by Mr. Hayes and Mr. Samuel, the new clause was accepted and read a second time, and added to the Bill, which passed the Committee.

### THE BUDGET.

Mr. Bonar Law, Chancellor of the Exchequer, made his Budget speech in the House of Commons on May 2. The revenue of 1916-17 amounted to 573,428,000/., and the expenditure was 2,198,113,000/. For 1917-18 he estimated that the expenditure will be 2,290,381,000/. He has made no new taxes, but increases the tobacco-duty by 1s. 10d. per lb., the entertainments-tax by 50 per cent., and increases the excess-profits duty from 60 to 80 per cent. The revenue is expected to yield 638,600,000/., leaving 1,651,781,000/., to be met by loans.

**SCARCITY OF MEDICINES.**—In Sweden regulations have been issued for rationing several of the more important medicinal substances, and for that purpose chemists are required to make returns of their stock.

**SACCHARIN IN FRANCE.**—An internal consumption-duty of 200 fr. per kilo. (72s. 7d. per lb.) has been imposed on saccharin and all artificial sweetening-substances or chemical products assimilated thereto.

**SIR DAVID GILL.**—Mr. George Forbes, F.R.S., has collected and arranged the memoirs of Sir David Gill, and these have been published by Murray. "Nature" publishes in French an appreciative review of the work by M. B. Bailland.

## Deaths.

**BAISS.**—At Ceronation, Alberta, Canada, on March 13, the result of an accident, Mr. Eric Arnold Bais, youngest son of the late Arnold Bais and Mrs. Arnold Bais, 41 Albany Mansions, Battersea Park.

**BATT.**—At Hepenstall Terrace, Newgrove Avenue, Sandymount, Dublin, on April 29, Mr. Thomas Batt, Ph.C., member of the Council of the Pharmaceutical Society of Ireland, aged sixty-eight. Mr. Batt was born in Dublin, and was apprenticed to Mr. W. L. Erson, Henry Street, afterwards being associated with the wholesale trade. He passed the Licence examination in 1879, and was for some time an assistant in Mr. Furlong's pharmacy at Merriem Row. Afterwards he purchased Griffin's Medical Hall at Sandymount, and carried it on up to the time of his death. He was elected a member of the Council of the Pharmaceutical Society in 1898, and had done useful work on the Council and its Committees.

**BRAY.**—At Clinton Road, Redruth, on April 19, Mr. William Bray, chemist and druggist (W. Bray & Co., Ltd., Redruth), aged fifty-nine.

**BREWIS.**—At Kilburn, York, on April 13, Mr. John Brewis, chemist and druggist, formerly of Darlington, aged seventy-two.

**DENNIS.**—At Greniehurst Park, Capel, Surrey, on April 25, Mr. James Hawke Dennis, founder of the firm of James H. Dennis & Co., Ltd., chemical-manufacturers, Liverpool and Widnes, aged seventy-seven.

**DYER.**—At Cockhill, Trowbridge, on April 16, Mr. Frederick William Dyer, Ph.C., aged eighty-one.

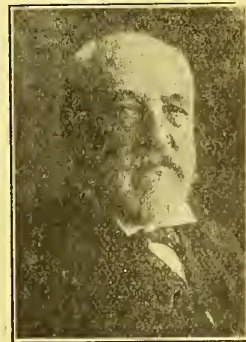
**HARLEY.**—At 5 Gunton Road, Upper Clapton, London, N.E., Mr. Edward Thomas Harley, chemist and druggist, aged sixty-seven.

**HARRISON.**—At 16 Glenfield Road, Leicester, on April 14, Mr. John Harrison, Ph.C., of Bury St. Edmunds, aged seventy-two.

**HEATON.**—At Grosvenor Road, Ripley, Derbyshire, recently, Mr. George Heaton, chemist and druggist, aged sixty-three.

**MILLER.**—At Helensburgh, on April 30, Mr. Lachlan McPherson Miller Miller, chemist and druggist, aged seventy-six. Mr. Miller was a native of Forres, and he was in business as a chemist there before August 1, 1868. More than thirty years ago he acquired the business of the late Mr. Campbell, chemist, Helensburgh, but gave it up shortly afterwards and devoted himself for several years to the manufacture of specialties, retiring from this some years ago. Mrs. Miller and three daughters survive him.

**PAUL.**—At Parkside, Kingston Vale, Putney, S.W., on April 29, Dr. Benjamin Horatio Paul, Ph.C., F.R.C.S., editor of the "Pharmaceutical Journal" from 1870 to the end of 1902, aged eighty-nine. Dr. Paul had been confined to his room since last June as the result of a fall, but enjoyed good health in spite of his great age, and was still keen mentally, but on Sunday evening while at dinner he passed away. In him we lose the oldest British pharmacist, one whose achievements in seven decades are without equal in British pharmacy and chemistry, and a man for whom affection grew with the years, especially in his retirement, when the depth of his intellectuality, the width of his knowledge, and the catholicity of his personal and professional interests grew upon his intimates, so that an hour with him was a revelation not merely of times past, but of his intimacy with present-day developments. He was born on August 6, 1827, and was apprenticed to Mr. Cory, chemist and druggist, Fakenham, although he desired to be a chemist rather than a pharmacist. In 1844 he came to London and entered the School of Pharmacy. He had become an Associate of the Pharmaceutical Society in 1842, the second year of its existence, and then the school was the only place in London which had lectures and laboratory work in chemistry, Mr. Fownes being the teacher. This was what attracted him, and at the end of the session (June 1845) he was top man in chemistry, G. F. Schacht being next to him, but in October the positions were reversed in organic chemistry.



DR. B. H. PAUL.



He passed the Major examination in that year, and he was the oldest remaining pharmaceutical chemist, his certificate being No. 9. At that time the University of Giessen was known all the world over as the leading School of Chemistry, Liebig being the professor, and young Paul (he was still in his teens) went thither and undertook the course, graduating as Doctor of Philosophy in 1843. Coming back to London, Dr. Paul was soon recommended by Liebig to Sir Robert Kane, of Dublin, to whom he became assistant chemist for a short time; then he went to Queen's College, Belfast, in a similar capacity to Dr. Thomas Andrews, remaining until 1850, when he returned to London. Then through such friends as Holman Hunt and George Henry Lewes he got into artistic and literary circles, and as he had nothing to do he acted for Dante Gabriel Rossetti (with whom he was a fellow lodger in Bloomsbury) as Secretary to the Pre-Raphaelite Brotherhood, and the friendships formed then he kept up while the members lived; Burne Jones and Holman Hunt were among those whom to the last he delighted to honour. He was acquainted with the works of all the Pre-Raphaelites, as he also was with the literature of their associates, and, although reticent about them, as intimacy grew one learnt at first hand his personal impressions of men and women who made their names in these early days. Dr. Paul next became assistant to Professor Thomas Graham, and managed his business as assayer to the Mint and Bank of England. He had by this time become known as a writer on chemical subjects—he had begun while he was at the Square in 1846—and in 1854 the Cavendish Society commenced publication of a translation of Gustav Bischof's "Chemical and Industrial Geology" by him and J. Drummond. While this was going through the press he commenced in 1856 contributions to the "Pharmaceutical Journal" on chemical and physical science, and later was Mr. Henry Watts's right-hand man in preparing the first edition of the "Dictionary of Chemistry," commenced in 1863. In 1870 the Pharmaceutical Council appointed him as editor of the "Pharmaceutical Journal." He had for some years been practising as a consulting and analytical chemist at 13 Fenchurch Avenue, E.C., and there in 1872 Mr. A. J. Cownley became associated with him, their practice including analyses of all the cinchona-bark sold in London. Dr. Paul was one of the world's leading authorities on cinchona and quinine, and in Dr. Pyman's paper in our issue last week we had testimony of Paul and Cownley's work on ipecacuanha. But the life of the man cannot be estimated merely by enumeration of his writings, voluminous though they were, nor even by his editorial work, great as it influenced British pharmacy at a critical period of its development; his influence directly affected for betterment those whom he professionally advised and those who were associated with him in practice, among whom was Mr. C. T. Kingzett, before he discovered "Sanitas." Many are there who have reason to appreciate his counsel, learning, and technical skill. He was as well known to leading men in America and on the European continent as he was in England, and his home at Kingston Vale was a Mecca to many. Mrs. Paul and a daughter and son survive him, the son being an officer in the British Forces at Salonica. The funeral was at Putney Vale Cemetery on Thursday afternoon.

PLATTS.—At Wilberforce Hotel, Oxford, suddenly, on April 22, Mr. John Platts, representative of Southall Brothers & Barclay, Ltd., Birmingham, aged sixty-five.



MR. JOHN PLATTS.

Mr. Platts had been suffering from cardiac trouble, and was ill when he reached Oxford on Saturday. He so told his landlord, and went to bed early; he got no better on Sunday, and on Monday morning he was found dead in his bedroom. An inquest was held at Oxford on April 24, when a verdict of death from heart-failure was returned. The funeral took place at Wolvercote Cemetery on Saturday, April 28, among those present being Mr. A. W. Southall and Mr. W. E. Hipkiss (directors of the company), Councilor G. Claridge Druce, M.A. (Oxford), Mr. Thorpe (Woodstock), and Mr.

Oddie (Sibford Ferris). Mr. Platts, who was a native of Melton Mowbray, had been with Southall Bros. & Barclay since 1871, and was held in high esteem by the company and staff. Sir Thomas Barclay informs us that it is the

intention of his board to publish a private obituary notice of Mr. Platts containing appreciations which they have received in respect to him. We add extracts from an expressive tribute to Mr. Platts by Mr. Claridge Druce:

In the nearly half a century which has elapsed since I first made John Platts' acquaintance what varied types of his calling have I met! He was one of those whose visits were always welcome. He came into our Northampton house in the 'seventies with his cheery face, pleasing address, his evident keenness to obtain an order, and was so quietly insistent that I strained a point and opened a new account with an order for 28 lb. of ferri ammon. cit. and two Winchester's of oil of lavender. Through long Northampton years and happy Oxford experiences one never liked to send him orderless away. In return he was mutually kind to me as to others, recommending suitable apprentices or useful assistants. He was always ready to help a likely assistant, and many a thriving pharmacist to-day owes a lift in his life to John Platts. His well-set-up figure, his ruddy, cheery, kindly face, his well-dressed frame, the bunch of violets, roses, or carnations in his buttonhole, so often left as a little parting souvenir, will leap to the eye of many who read this note. In the intervals of his journeys he kept in touch by a cascade of newspapers, culled from various sources, and postcards—his postages must have been enormous. This was his only extravagance, for he rarely drank anything stronger than tea, and that he liked weak. Platts was never married, yet children loved him. His devotion to his mother was extreme, and her loss cut him to the quick. In memory of her he did much to make the poor of Melton Mowbray happy at Christmastide. His zeal for his employers' interests, his own keenness to make a good return, speedily secured him a good income; of this he yearly invested a large portion, so that he became a wealthy man. His death in harness was one he would not have wished otherwise, since it caused no inconvenience to others, nor was it through prolonged pain or great suffering that his end came. His face in death was nobly calm; he had faced his foe, nor did he look as if he had weathered sixty-five years. For forty-six of these he had been connected with Southall Brothers & Barclay, whose various members held him in affectionate respect. He was a man whom many laughed with but none at. He did not wear his heart on his sleeve. Last Christmas, as was usual, he received a pleasing presentation to signalise his services—even in war-time not a single bad debt in the year was a testimony to his judgment. He had a Christmastide dinner with Sir Thomas Barclay. Among the men in pharmacy who had made friends with him was Robert Drane, of Cardiff—that eminent archaeologist and enthusiast, a ceramic collector, who left him a legacy of 100*l.* as a recognition of his esteem. Truly John Platts upheld the dignity and responsibility of his calling in no mean degree. For his loss there are many like myself who will drop a tear and metaphorically place a sprig of acacia on his grave.—G. Claridge Druce.

PEDLEY.—In a London hospital last week, from pneumonia, Mr. George Pedley, who was formerly in Boots' branch at Cambridge, and soon after the outbreak of war joined the R.A.M.C.

WARREN.—At 13 Springfield Road, St. Leonards-on-Sea, on April 19, Mr. George Robert Warren, Ph.C., aged seventy-four.

WHITTLE.—At 285 Park Road, Oldham, on April 20, Mr. Hugh Whittle, chemist and druggist, aged forty-six.

#### Died on Service.

ACTON.—Killed in action, Lieutenant Norman Acton, of the Worcestershire Regiment, eldest son of Councilor F. G. Acton, chemist and druggist, Worcester. [At a meeting of the City Council on May 1, a vote of condolence with the councillor was passed, on the motion of the Mayor (Alderman Carlton), seconded by Mr. A. E. Coverdale, Ph.C., who stated that he had known Norman Acton since childhood. Immediately the war broke out he went to the recruiting office, but his father had to stop him because he was too young. He was told that as soon as he was nineteen no obstacle would be placed in his way. Two days before his nineteenth birthday he said to Mr. Coverdale, "In two days I shall be nineteen. I go for my King and country."]

BENGER.—Killed in action, on April 17, Major Alfred Horace Benger, Leicester Regiment, youngest son of Mr. Alfred Benger, 10 Park Hill Rise, Croydon, and nephew of the late F. Baden Benger, Ph.C., aged thirty-nine.

GEDDES.—Killed in action, Major Alasdair B. Geddes, son of Professor Patrick Geddes, aged twenty-five. We reported on April 14 that he had won the Military Medal.

PARKIN.—Killed in action, Second-Lieutenant G. F. Parkin, West Yorkshire Regiment, who was formerly with M. H. Stiles & Son, chemists, Doncaster.

SMITH.—Private Walter Smith, of the Black Watch, son of the late Robert Smith, J.P., druggist, Foyle Street, Derry, has died of wounds received in action. After the outbreak of war he returned from Canada to enter the Army.

TONG.—Died of wounds, Lance-Corporal Herbert Tong, Wilts Regiment, formerly assistant with Mr. L. P. Arden, Ph.C., Winchester, and organist at St. Lawrence and Old Weeke churches.



## Pharmaceutical Society of Great Britain. Council-meeting.

THE MONTHLY MEETING of the Council was held on May 2 at 16 Bloomsbury Square, London, W.C. The councillors present were: Mr. E. White (President), Mr. E. T. Neathercoat (Vice-President), Mr. W. H. Gibson (Treasurer), and Messrs. F. E. Bilson, A. S. Campkin, J. H. Cuff, W. L. Currie, J. W. Deakin, F. J. Gibson, R. L. Gifford, C. E. A. Goode, T. Guthrie, A. Hagon, J. F. Harrington, J. Harrison, J. Keall, P. F. Rowsell, F. P. Sargeant, H. Skinner, and J. R. Young. The minutes of the previous meeting having been read, the PRESIDENT said he had received a letter stating that Mr. Parry is seriously indisposed and unable to be present.

### DEATHS.

The PRESIDENT then referred to the death of Dr. B. H. Paul, which took place on April 29 at Kingston Vale. Most of those round the table knew him personally, but all were acquainted with him by reputation. Dr. Paul, who was in his ninetyeth year, had been associated with the Pharmaceutical Society all his life. He was one of the first eight students when the School of Pharmacy was established, and his Major certificate was No. 9. He was appointed Editor of the Society's "Journal" in 1870, and retired in 1902. The President then referred to Dr. Paul's marked personality and abilities, his strong opinions and forcible methods of expressing them, and the humanity which was underneath. He (the President) had seen Dr. Paul recently, and found him intellectually keen. His end, which was quick and peaceful, breaks a link with the past which all must regret. The President also mentioned the deaths of Second-Lieutenant C. T. Bishop, a former student and demonstrator in the School of Pharmacy (see *C. & D.*, April 14, p. 40), and Mr. Francis Sutton, of Norwich, who was a member of the Council in 1877 (see *C. & D.*, April 21, p. 40).

### QUESTIONS.

Mr. SKINNER asked whether, in view of the establishment of hospitals abroad on a much larger scale than hitherto and the mobilisation of the medical service, the President thinks it possible for the Council to offer to undertake the organisation of the pharmaceutical service of such hospitals?

The PRESIDENT, in reply, said that the Secretary had been in correspondence with the War Office on this matter, and the following letter had been received from Major Edward Worthington on behalf of the Director-General of the Army Medical Service:

"In reply I am to inform you that, so far, the supply of pharmacists and dispensers has been equal to the demand. I am to add that if pharmacists on being called to the Colours, who belong to categories "B" or "C," mention to the recruiting officer that they wish to be employed as such, their names are submitted to us, and their special enlistment into the Royal Army Medical Corps is always asked for. In the case of pharmacists who wish to serve, although over military age, they should apply in writing to the Secretary, War Office, when their application will be considered, and if suitable their names will also be submitted for special enlistment.

A further letter has been sent inquiring as to the duties to be allotted to especially enlisted pharmacists.

Mr. SKINNER also asked whether it would be possible, owing to the prevailing war conditions preventing a conference of delegates, to arrange that the terms of service under National Health Insurance should again be submitted to a ballot when the appointed time arrives.

The PRESIDENT, in reply, said that the question of procedure in regard to determining the terms of pharmaceutical service under the National Health Insurance Act for 1918 will be carefully considered by the Local Associations Executive Committee, who, he had no doubt, will bear in mind the suggestion put forward in the question.

Mr. SARGEANT asked for information regarding the requisitioning of certain chemicals for the War Office.

The PRESIDENT gave the particulars (see p. 42), and said that in view of the quantities mentioned he did not think that many pharmacists would be required to make a return.

### ELECTIONS AND RESTORATIONS.

Twelve members and thirteen student-associates were elected and 408 persons restored to their former position in the Society. Two names were restored to the Register of Chemists and Druggists. The Registrar reported that since last month he had registered thirty apprentices or students.

### HANBURY GOLD MEDAL.

The report of the adjudicators under the Hanbury Memorial Trust was received, which awarded the gold

medal for 1917 to Professor H. G. Greenish. The adjudicators were Sir David Prain (President of the Linnean Society), Professor W. J. Pope (President of the Chemical Society), Mr. E. White, Mr. C. A. Hill (President of the British Pharmaceutical Conference), and Mr. J. Rymer Young.

### CORRESPONDENCE.

The Privy Council Office forwarded a copy of the new Poisons Act of Tasmania. This was referred to the Law Committee.

The Chester Pharmacists' Association urged that a deputation be sent to the Local Government Board in regard to public health legislation. This was sent to the Parliamentary and General Purposes Committee.

Dr. Waldo, the City Coroner, conveyed the opinion of a jury that veronal should be placed in Part I. of the Poisons Schedule. The PRESIDENT remarked that when veronal was introduced a feature was made of its great safety.

The Public Pharmacists' Association asked that steps should be taken to utilise the professional knowledge of pharmacists in connection with the new Army hospitals which are being established in France.

The Privy Council notified the Council that the resolution placing diachylon on the Poisons Schedule had been approved.

The Committee on Industrial and Commercial Policy after the War thanked the Council for the memorandum that had been sent regarding the supply of essential drugs.

The London Pharmacists' Association transmitted a vote of confidence which had been passed in Mr. E. White, and expressed appreciation of Mr. Woolcock's services.

The Salford Pharmacists' Association wrote supporting the institution of a curriculum.

The North British Branch sent a report of the meeting of the Executive.

### FINANCE COMMITTEE.

The Secretary then read the report of the meeting of the Finance Committee held on the previous day.

The receipts of the General Fund since the last meeting were 2,880*l.* 10*s.* 7*d.*, made up as follows: Penalties and costs 45*l.* 12*s.* 6*d.*; "Journal" 15*l.* 5*s.* 4*d.*; B. P. Codex 5*l.* 7*s.* 6*d.*; subscriptions 2,455*l.* 19*s.*; registration fees 88*l.* 4*s.*; restoration fees 7*l.* 7*s.*; certificates of qualification 5*l.*; examination fees 6*l.* 6*s.*; "Chemists' Annual" 138*l.* 11*s.* 9*d.*; school fees 2*l.* 2*s.*; sale of registers 110*l.* 15*s.* 6*d.*. After deducting the payments ordered at the last meeting and 3,000*l.*, placed on deposit with the London, County & Westminster Bank, there remained a sum of 1,371*l.* 0*s.* 3*d.*. From this payments amounting to 1,637*l.* 11*s.* 8*d.* were recommended. The balances on the Benevolent Fund were: Current account 1,086*l.* 15*s.* 1*d.*; donation account 183*l.* 0*s.* 11*d.*; orphan fund 90*l.* 4*s.* 9*d.*.

The TREASURER, in moving the adoption of the report, said the receipts from subscriptions are 300*l.* more than at the same period last year. The subscriptions to the Benevolent Fund had also shown an increase.

The report was adopted.

### BENEVOLENT FUND COMMITTEE.

The Secretary read the report of this Committee, which met on the previous day. Grants amounting to 98*l.* 16*s.* were recommended to five persons.

Mr. BILSON, in moving the adoption of the report, mentioned several special donations, including 64*l.* 16*s.*, the proceeds of the Liverpool smoking concert (see *C. & D.*, March 24; p. 46). Mr. Bilson also referred to the fact that in the ordinary course the decennial Benevolent Fund dinner would have been held this year. Firms who on these occasions contribute five guineas and have five rates for ten years may not remember that the period expires this year. Mr. Bremridge is going to call on these firms and endeavour to obtain a renewal of the subscriptions.

Mr. YOUNG referred to the Liverpool smoking-concert and said that the money collected was a "magnificent, hearty, natural and concrete expression of appreciation" of the good work of the Benevolent Fund.

The report was adopted.

### LIBRARY COMMITTEE.

The report of the Library, Museum, School, and House Committee was next read. The items included the recommendation that Mr. James Small be appointed lecturer in botany in place of Mr. Warner, resigned. The draft annual report of the Council was approved (see p. 40). Accounts amounting to 34*l.* 8*s.* 9*d.* for house repairs were considered and approved. The syllabus of the lectures on micro-biology, which commence on May 9, was approved. The Board of Education regulations for technical schools were considered.

The PRESIDENT, in moving the adoption of the report, said that part of the money for repairs was for fitting up



the micro-biology room. He asked that members would support the lectures by their presence, and emphasised the fact that the Wednesday and Thursday lectures are not repetitions, but separate lectures. The time had been fixed at 8.30 P.M., as suitable for chemists on a day which is not an early-closing holiday.

Mr. GOODE hoped that some rearrangement would be made in future courses, as not many chemists can spare two evenings a week for lectures, although many are anxious to attend the course.

The PRESIDENT said that each lecture is self-contained.

Mr. SKINNER said it is better to attend ten lectures rather than none at all.

The report was adopted.

#### PARLIAMENTARY AND GENERAL PURPOSES COMMITTEE.

The report of this Committee included that of the Local Associations Executive Committee, which stated that the Central Checking Bureau had a balance in hand at the end of the year's working (February '28), which was considered satisfactory. A point submitted by the Walsall Pharmaceutical Committee was left to be dealt with by Mr. F. J. Gibson.

#### VENEREAL DISEASES.

The Parliamentary Secretary reported to the Committee on the Bills before Parliament dealing with venereal diseases. A communication from the British Medical Association was considered.

The Association welcomes the Bill as it "believes the continued existence of unqualified practice constitutes one of the principal hindrances to the eradication of the diseases." Mr. Glyn-Jones's principal two amendments (*C. & D.*, April 28, p. 38) are quoted, and the Association protests against them as (a) subversive of a legitimate part of the work of medical practitioners [and] (b) inadvisable in the interests of the public. The letter goes on to say that the right to dispense medicines for their patients is one which has always been within the power of medical practitioners, and the Apothecaries Act, 1815, and the Medical Act, 1858 [Section 32] are mentioned in proof, reference also being made to professional diplomas, especially that of the Royal College of Physicians. The communication then deals with the State clinics which are to be set up for venereal patients, and it is stated that one class of persons attending these will be saved the "extra expense involved in going to the pharmacist." The letter, which is signed by Dr. Alfred Cox, Medical Secretary of the B.M.A., concludes thus:

"Taken together, the establishment of the local schemes for treatment of venereal disease and the proposal in the present Bill to prevent treatment of venereal disease by unqualified persons, have affected, or will affect seriously from the financial point of view, both doctors and pharmacists, with the difference that while it is legitimate work of doctors which is so affected, it is illegitimate interests of pharmacists which are involved. The medical profession has already, in view of the urgency of the matter as regards both individual and public health, agreed to the establishment of the facilities for treatment at voluntary hospitals, thereby transferring to the free clinics large numbers of patients who would otherwise have paid fees to doctors as private patients (many insured persons suffering from these diseases preferred to go to doctors other than their insurance practitioner, in order to be treated as private patients). Seeing that the financial interests of pharmacists are by no means so seriously affected by the Bill as are those of medical practitioners by the hospital facilities, the Association considers that it is surely not too much to ask of the pharmaceutical profession that it, too, will acquiesce in the proposals of the Government, instead of demanding a *quid pro quo* in the shape of the taking over by pharmacists of part of what is the legitimate and in many cases the necessary work of medical practitioners."

The Parliamentary Secretary was instructed as to the course he is to take. A memorandum on the question of a compulsory curriculum was submitted, and the consideration further postponed.

#### COUNCIL PRIZES.

The report on the Council prizes competition recommended the following awards:

*Pereira Medal:* Ivy Roberts.

*Silver Medal:* H. Jephson.

*Bronze Medal:* Doris Gregory.

The examiners were thanked for their services.

A communication from the London Pharmaceutical Committee referred to mist. tragac. dulc. as a substitute for glycerin and sugar in pharmaceutical preparations.

The report of the examiners on the April examinations was received, and the diplomas granted to the pharmaceutical chemists who passed ordered to be sealed with the seal of the Society.

#### RETIREMENT OF COUNCILLORS.

The PRESIDENT then referred to the retirement from the Council of Mr. Harrison and Mr. Goode. He said that

Mr. Harrison is both the oldest member in years and in service, whose considered opinion had always been of the greatest value to the Council. His knowledge of the world and of public affairs had been a valuable asset to the Council. He (the President) hoped that Mr. Harrison will have many years of good health and be able to give time to local public affairs. In regard to Mr. Goode, he (the President) hoped that he would return to the Council at a future date.

Mr. HARRISON, who was received with applause, said it had caused him a large amount of pain to leave the Council after thirty years' service. He took with him pleasant memories of the people he had come in contact with and had been privileged to know. He had been impressed with the intense loyalty of all who had been on the Council, and now, although there seems some dissatisfaction with the Council, he could not think it is deep-seated, in face of the fact that the membership is higher than it has ever been. Mr. Harrison then referred to the events of the past ten years, especially the passing of the National Insurance Act. He thanked the members of the Council and the officials for the courteous treatment he had invariably received from them.

Mr. GOODE also spoke, and said that, although co-opted a member, he had been given a perfectly free hand and had not been "nobbled."

#### THE PRICE OF BLUE VITRIOL.

Mr. GOODE then raised the question of the fixed price for copper sulphate, which the Board of Agriculture has arranged for the purpose of ensuring a supply for use as a potato-spray. A discussion ensued, the chief point being that to sell in small quantities at 6½d. per lb. that which costs 50s. a ton is not profitable, but would be done from patriotic motives.

#### Abstract of Annual Report.

The report commenced with a satisfactory statement regarding the improvement in the Society (*C. & D.*, February 10, p. 45), comments being made in all branches. The examination results were also given, it being noted that 412 registered as apprentices in 1916, against 592 in 1915, while 549 candidates sat for the Minor (979 in 1915). 51 per cent. passing, and fifteen out of twenty-four Major candidates passed. About half the usual number attended the School of Pharmacy. In the research laboratories work of national importance was done, and the creation of the Ransom Research Fellowship was noted. "The Benevolent Fund continues to maintain its proud position." Reference was made to the Orphan Fund and to the "Pharmaceutical Journal." Mr. J. P. Gilmour's appointment as editor being noted. Satisfaction is expressed with the manner in which local Associations have helped headquarters in matters of organisation during the war, and the appointment of a Committee to deal with organisation is mentioned. The contemplated retirement of Mr. W. S. Glyn-Jones from Parliament, and the selection of the Secretary (Mr. Woolcock) for a seat, are alluded to. Then the report goes on to deal with National Health Insurance, the work of the past year being usefully revised, and the statement made that the Central Checking Bureau has been successful. After mention of the facts regarding the position of pharmacists to military service the statement is made that the Society has done "a considerable amount of special war-work," and has been consulted by some of the Government Departments. During the year 853 cases of alleged infringement were reported, and action taken in 186 cases. A general paragraph in the report deals with glycerin, sugar, cocaine, supply of essential drugs after the war, diachylon, and venereal diseases. Then finance is dealt with, and it is explained (apparently in answer to the *C. & D.*'s recent observation) that "the accounts of the Central Checking Bureau, controlled by the Local Associations Executive, are not included in the Society's balance-sheet, since no part of the profits from that scheme have been diverted for the Society's use. The Local Associations Executive Committee controls the finances of the Central Checking Bureau through its Finance Sub-Committee." The North British Branch is next dealt with, and an obituary closes the report.

#### The Council Election.

MR. FRANK G. HINES has been informed by the Sheffield Pharmaceutical and Chemical Society that the Council on April 25 agreed with great pleasure to support his candidature at the forthcoming Council election, and will do all in its power to secure his return. Mr. Hines has also received letters of support from Harrogate, Hull, Halifax, Doncaster, Scarborough, as well as from Scotland, Wales, London, and other places.



## Observations and Reflections.

By Xrayser II.

### A Letter from a Leading Lancashire Pharmacist,

personally unknown to me, encourages the hope that my notes on the impending Pharmaceutical Council election, brief and scattered as they necessarily are, have helped to arouse a somewhat unusual degree of interest in the event. My correspondent is too generous in his estimate of my influence, but I cordially agree with his statement that the *U. & D.*, as a paper, "is doing more for pharmacy now than the average chemist is aware of," and it is a pleasure to believe that my views, though quite independently arrived at, are in general agreement with the policy of the paper. I wish, however, to call attention now to a matter of the gravest importance, of which I am informed in the letter referred to. The Lancashire Federation, at a recent meeting, decided to support the five retiring candidates, the decision (says the writer) being probably due to the fact that several councillors were present at the meeting. However this may be, we have thus a clear issue placed before us—the old against the new,

### The Past against the Future,

the Council as it is against the Council as we wish it to be. If an organised attempt is being made to perpetuate the old *régime*, then we must set ourselves to defeat it. If those pharmacists who are satisfied with things as they are, or despair to improve them, are thus pledging themselves in advance to return the old stagers *en bloc*, everyone who has reform at heart must do his bit towards returning the new men, with whom the hope of reform really lies. Let there be no splitting of votes between the two groups, and we of the advance are certain to win. The most we can effect at present may be to get our views more adequately represented on the Council, but that in itself is a great deal.

### National Education

is one thing, and the technical instruction of the pharmacist is another, and in a discussion of the former the question of the desirability of a curriculum for our Minor examination hardly, I think, comes in. A curriculum is simply a prescribed course of study, and it has two effects: it ensures an acquaintance with certain facts necessary to be known, but it keeps the student, perhaps too strictly, within these bounds. Now, if the acquisition of knowledge, and much more if the passing of an examination, is all that is aimed at, this is an admirable arrangement, but it does not so obviously make for education in the proper sense, and even as regards what we call technical education it may be productive of almost as much evil as good. "The Heathen Passee" is certainly helped by it, and it tends inevitably to restrict that free play of the mind which is the first condition of all education that is not servile in motive. Mechanical efficiency may be obtained in this way, but even in pharmacy we ought to desire something better than that.

### The Crocuses

which used to beautify the meadows below Nottingham have almost entirely disappeared before the railway contractor and the cheap builder (as indeed have the meadows themselves), but their memory has been revived by a long correspondence in "The Times" which is noteworthy here as showing how little dependence can be placed on popular plant-lore. These crocuses were the purple spring variety (or varieties), which have the best claim of any of the family, though even theirs is not a well-established claim, to be natives of our soil; but they have been described as "golden," and it has been suggested that they were saffron crocuses, originally cultivated for commercial purposes! Even Mr. J. B. Firth, in his recently published "Highways and Byways in Nottinghamshire," says of them: "The whole meadows were ablaze with fairy gold," though the lament over their gradual disappearance which he proceeds to quote

"in proof" from Ann Taylor, the poetess, makes them say:

"We came a simple people in our little hoods of blue,  
And a blush of living purple o'er earth's green bosom  
threw."

But "golden" is a common epithet of the crocus, and saffron is golden, and that is enough. It is to be hoped that our amateur simplers will cultivate habits of observation, and acquire a little knowledge beyond what is common, or they will prove at best "something between a hindrance and a help."

## Royal Society of Arts.

AT A MEETING of the Society in London on May 2, Mr. J. C. Shenstone, F.L.S., read a paper on "Herb-growing in the British Empire: its Past, Present, and Future." There was a large attendance, and Sir Robert Armstrong-Jones presided. Mr. Shenstone rapidly sketched the position with regard to herb-growing in Britain in the time of the Romans, the Saxons, and the mediæval period, down to the "golden days" of the industry in England towards the end of the sixteenth century. It was at this time that many herbals were published both in England and the Continent. Then vegetable products began to arrive from the New World and from remoter parts of the Old World, and new developments took place, such as the introduction of chloroform, antiseptic surgery, synthetics, organo-therapy, serum-therapy, bacteriology, and tablet medication, so that drug-growing was neglected, and at the outbreak of war we had become dependent on the Central Empires for the principal drugs which used to be grown in England. Mr. Shenstone then referred to the steps taken to remedy the deficiency, and, as to the future, looked forward to a time when practically all drugs would be grown in one part or other of the British Empire. The history of the cinchona and rubber industry was recalled to show how profitable drug-growing might be, and the neglect of indigo, with the loss to India, was cited. The indispensable drugs that should be grown are belladonna, henbane, foxglove, colchicum, and perhaps valerian and male-fern. Others of value, but not indispensable, are dandelion, poppy-capsules, chamomile-flowers. Culinary and veterinary herbs include angelica, borage, thyme, the mints, and others. The area of drug-growing might be extended to include gentian, fenugreek, liquorice, saffron, alkanet, orris-root, calamus, cummin, scopolia, wintergreen, Virginian prune, lobelia, hamamelis, podophyllum, hydrastis, rhubarb, and others. Gums, such as tragacanth and acacia, anise, squill, galls, opium poppy, mastig myrrh, ginger, cloves, and many others might be grown in parts of the Empire where the climate is suitable. He suggested that the Imperial Institute might be reorganised and speeded up, and that a Government Department might be entrusted with funds for encouraging the development of the soil of the British Empire. Mr. Shenstone showed a drawing made with gall ink twenty-five years ago, which had been exposed to the light all the time, and is as fresh and clear now as when it was produced. Side by side with this he showed what seemed to be a "Minor" certificate, also twenty-five years old, signed by eight names, half of which, including the chairman's, were illegible. The gall ink cost 1s. a gallon to make, and the illegible ink 1s. a pint. He also showed a wool tapestry worked seventy-five years ago, with the colours absolutely perfect. Will aniline wools be as fresh in ten years? As showing the commercial methods of travellers and firms, he exhibited a ready-written prescription supplied by a firm, which had been signed by a doctor and given to a patient only a week or two ago. The Chairman opened a discussion, and Sir George Savage spoke of fashions in drugs as with other things. He had himself grown jalap in Hampshire. He also referred to the bedstraw (galium) as an excellent substitute for rennet. Other speakers followed.

## Information Department.

### INFORMATION WANTED.

Postal or telephone information with respect to makers or first-hand suppliers of the undermentioned articles will be appreciated.

17/46. "B.B.B." ointment.	19/48. Butyric acid: actual
16/39. "Biolin" lanoline.	manufacturers.
18/23. "Balmosa."	



**"SANITAS-CREOLEUM"**

## (WOOD PRESERVATIVE)

A unique preparation in three grades of Colour for preserving all forms of Wood and Woodwork against the inroads of fungoid and insect life.

*In Tins, Drums, and Casks.*

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Sole Manufacturers:

**"SANITAS" CO., Ltd.**  
Limehouse, LONDON, E.

**S.V.R. — S.V.M.**

AND

**CHEMISTS' WINES.**

**Jas. Burrough Ltd.** D.T. Calc Distillery, Hutton Rd.,  
LAMBETH, S.E. (2)

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*We solicit your Inquiries for—*

Crushed Linseed (Mumford's quality, finest obtainable), Whole Linseed, Starch Powders (Maize, Wheat, Rice and Potato), Glauber Salts, Hypo, Bi-Carb. Soda, Sulphur, Fuller's Earth, Tart. and Citric Acids, Cream Tartar, Kaolin, Liquorice Pdr. and Juice, Epsom Salts, Boracic Acid, &c., &c. Also 1d. Pkts. Fuller's Earth, Violet Pdr., Starch Pdr., Liquorice Pdr., Nursery Pdr., Boracic Acid Pdr., &c.

Sole Proprietors of "Pylitna Powders,"  
the internal specific for Hemorrhoids.  
Special terms for co-operation.

**G. S. MUMFORD & SONS, FARRINGDON ROAD, LONDON.**



### collosol iodine

collosols sulphur; argentum;  
hydrargyrum; ferrum; aurum;  
cuprum, etc., etc.

Unique colloidal solutions,  
absolutely stable, non-toxic,  
non-irritant. Write for details.

The Crookes Laboratories, 50 Elgin Crescent, London, W.

**FRENCH AND ALL FOREIGN**

**Proprietary  
MEDICINES**

**Wilcox, Jozeau & Co.**

**49, HAYMARKET, LONDON, S.W.**

Export and other Buyers should apply for a List.  
Foreign prescriptions dispensed for Pharmacists.

Index Folio 412

"A revolution in the art of Urine Testing."—*Medical Press & Circular.*

## ENDOLYTIC TUBES

"The Laboratory in the Waistcoat Pocket."

Wholesale Terms on application to the Sole Proprietors:

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## Editorial Articles.

### Commandeering Chemicals.

It will not have been surprising to those who have watched the trend of affairs lately to learn that the Army Council of the Government has now decided, under the Defence of the Realm Regulations, to take possession of all stocks of quinine, phenacetin, and formaldehyde, and an Order was issued to this effect on April 28. All firms holding stocks of these chemicals above the quantities stated below are required to furnish particulars of their stocks as provided on a form which may be obtained from the Director of Army Contracts (L.C.), Imperial House, Tothill Street, Westminster, London, S.W. 1. The stocks to be requisitioned are all in excess of the following quantities:

Quinine sulphate	...	...	...	100 oz.
Quinine bisulphate	...	...	...	25 oz.
Quinine hydrochloride	...	...	...	25 oz.
Quinine bihydrochloride	...	...	...	25 oz.
Phenacetin	...	...	...	7 lb.
Formaldehyde (40 per cent.)	...	...	...	10 gals.

Returns are not required from firms holding less than the quantities stated, and any such firms are at liberty to deal with stocks they have in hand. Firms holding stocks in excess of the quantities stated must immediately make their returns, and pending the receipt of instructions the total quantities of their stocks with which they may deal are those stated in the Order—e.g., quinine sulphate is 100 oz. The remainder must be held at the disposal of the War Office for the time being. Any of these chemicals which are known to be in transit are to be regarded by the consignees as part of their stocks and included in their returns. Should any person without the consent of the Army Council sell, remove, or secrete any of the above chemicals or deal with them in any way contrary to any conditions imposed in the licence, permit, or Order which may have been granted, he will be guilty of an offence against the Regulations. In the schedule to be filled in by holders the following particulars, *inter alia*, are required:

1. Total stocks held of each article.
2. Prices at which the holder will deliver to Army Medical Reserve Stores at Woolwich.
3. Average price at which the stock was bought.
4. Date of last purchase.
5. Name and address of last supplier.

These questions show that the net has been widely cast so that there will be no opportunity for "profiteering." The fact that quinine costs about 2s. 8d. per oz. to buy has no doubt hastened the commandeering, while the price of formaldehyde has frequently been inflated by dealers; and what has now happened illustrates the truth of our remarks on March 24, p. 50:

"It may be as well to remember that the Government are accustomed to commandeer supplies, especially when dealers are holding out for excessive profits."

On previous occasions the Government have appropriated stocks of formaldehyde and other chemicals, like aspirin, on importation, and merely given the holder 5 per cent., or sometimes  $7\frac{1}{2}$  per cent., on his invoice-price. It is notorious that phenacetin is in very small supply and the price extremely high, for the difficulties of production are exceptional. The prices of all the six chemicals will no doubt be arranged on a similar basis, and naturally resentment will be felt in certain quarters, especially in regard to quinine. Meanwhile the Order has had the effect of suspending business in the chemicals named until the situation is clearer. Retailers will understand that the Order applies to them as well as to manufacturers and wholesalers—in fact, any person whatsoever who has as much of any of the six chemicals as is stated must apply for and fill up the form specified.



## Overseas Trade in March.

THE Board of Trade Returns for March show that the imports for the month were valued at 81,114,045*l.*, or 5,001,824*l.*, less than in March last year, while exports of British merchandise were valued at 44,111,131*l.*, or 6,513,012*l.*, more than in March 1916. In view of the constantly rising prices of both imports and exports, these figures can only afford an approximate indication of the actual volume of trade, which must naturally shrink under the increasing restrictions and prohibitions. Imports of raw materials were less by 2,632,296*l.*, but the value of oil-seeds, nuts, oils, fats, and gums rose by 1,188,786*l.* to 6,356,361*l.*, being largely due to higher prices for castor, linseed, copra, palm-kernels, and the like. There was a decline of 455,679*l.* in our imports of chemicals, drugs, dyes, and colours, purchases of which were valued at 2,231,990*l.* This is only natural in view of import restrictions on painters' colours and pigments. With the exception of acetic acid, calcium carbide, and saltpetre, the decline in chemicals was all round. Imports of quinine were 458,642 oz., or 39,183 oz. more, and so far this year they have been satisfactory. Considering the conditions under which export trade is being carried on, the figures disclosed are remarkable. As manufactured goods account for 5,439,762*l.* out of the total increase of 6,512,012*l.*, cotton and textile goods appear to be enjoying a boom, they being over 4,302,100*l.* more than in March last year. Exports of chemicals, drugs, dyes, and colours were 85,599*l.* less at 1,960,799*l.*, most of this being due to the restrictions on shipments of chemical manures, like ammonia sulphate and superphosphates. The exports of copper sulphate amounted to 3,919 tons, or 2,089 tons more than in March last year. Medicines were 27,498*l.* less at 323,644*l.*, but compared with 1915 the figures are 72,660*l.* more. Of quinine and quinine salts the exports were 195,668 oz., being 90,380 oz. more than in the corresponding month of 1916. There was a substantial increase in the shipments of soda compounds (467,157 cwt. against 392,283 cwt.), but it was almost entirely due to soda-ash and soda sulphate. For the quarter ended March we have a decline of 382,830*l.* in exports of chemicals and allied goods, the net amount being 5,991,460*l.*, compared with 6,374,290*l.* in the first quarter of 1916, but an increase of 760,161*l.* over 1915. Our medicine exports for the quarter were 853,444*l.*, or 84,362*l.* less than in 1916, but 48,282*l.* more than in the 1915 quarter, and on the whole it looks as if the first quarter of the year was surprisingly good taking adverse circumstances into consideration.

## The Pinch in Germany.

GOVERNMENT restrictions of trade seem to be causing a good deal of friction in Germany. These are mainly penal laws against "profiteering," and come under three principal heads: the maximum-price law, the price-raising ordinance, and the middleman abuse ordinance. The last-named is purposely indefinite in its terms, and is partly on that account the most resented. One of its features is, however, sufficiently definite, and it is one with which we are sympathetically interested. This is the repurchase of goods from retailers, which the ordinance strongly condemns as involving economic waste, the curtailment of consumption, and the holding-back of needed goods. The second of these charges is rather curious, since the curtailment of consumption appears to be the object of some of the other ordinances.

## Glycerin for Dispensing.

SEVERAL chemists have commented on the indifference with which medical men treat appeals for conserving supplies of medicinal glycerin. It is therefore of interest that the "British Medical Journal" publishes the following note on the subject:

"Now that the Government has refused permission for the supply of glycerin to pharmacists for dispensing purposes the presence of glycerin and preparations containing glycerin as ingredients in medical prescriptions is a source of embarrassment to dispensing chemists. Glycerin now being no longer available, the proper course for the chemist to take when a prescription containing it is brought to him would be to communicate with the prescriber, and ask

whether it is his wish that the glycerin should be omitted or replaced with a 'glycerin substitute.' At any time this procedure would involve delay and inconvenience, but now that so many practitioners are carrying on work at home under increasing stress the dispenser's duty is far from clear. We should be glad to hear the views of our readers upon the matter, which presents certain real difficulties."

The cases are really very few in which glycerin is an absolute necessity in medical practice.

## The Russian Revolution.

A C. & D. Reader in *Russia* (230/18), writing to us in regard to events in March, says:

"Fighting was going on within close proximity to me; it was a bloodless revolution with tremendous results. These results will be so far-reaching that they will be felt not only by us, who are now free Russian citizens, but also by your goodselves, who are in business touch with Russia. As said before, there was a bloodless revolution, but considering that we have been half serfs for many centuries, during which period thousands of people have lost their lives in the struggle for freedom in prisons and in far Siberia, one has to be careful in giving this revolution a proper title. However, whichever name you wish to give it, the fact is that Russia is a Republic to-day, and, as far as Government is concerned, I hope we shall be more advanced here than even you in England. We have only to see the mistakes of the other countries and do away with same, as we have to make a clean sweep anyhow. Just imagine: a fortnight ago I was a subject of the Tsar, when it was not only impossible to write to you such a letter, but when I would not have even dared to dream of it for fear that I might speak out something in my sleep and somebody listening to it, and to-day I am a citizen of the Russian Republic! Really, the joy is too great, and I cannot accustom myself to the thought that it is all true. I do sincerely hope that our joy will also be yours, and may this change of Government be of benefit to good old England."

There is no question of the fact that the best wishes for Russia's future, and joy at the reform, are universal here.

## Medical Gleanings.

### Variations in Body-weight.

DR. J. HENDERSON SMITH ("British Medical Journal," 1917, I., 505) has been investigating variations in body-weight. He concludes that in tuberculous patients undergoing sanatorium treatment there is on the average a steady increase in weight. This increase shows a marked seasonal variation, being greatest in the six months from May to October, with the maximum in September, and smallest in the six months November to April, with the minimum in March. The six months of greatest weight are also the months of most sunshine, highest temperature, largest rainfall, and greatest atmospheric water-content. This agreement suggests that the weight variation is due to meteorological conditions, but, if it be so, the climatic influence can only be indirect, and no single factor has predominant effect. Sudden changes from week to week occur in the average weight, and there is nothing in the available records to show that these changes are due to weather conditions.

### "Brilliant-green" Ointment.

THE use of brilliant green as an epithelial stimulant is referred to by Captain R. W. Hodgson-Jones ("British Medical Journal," 1917, I., p. 455). The best results have been obtained from the daily application of an ointment containing 1 to 2 per cent. of brilliant green. Although the ointment appears to be non-toxic in any percentage, it has been found that, if used in greater concentration than 5 per cent., it produces severe smarting, which, although it ultimately passes off, may occasion discomfort for as long as three hours. Some slight difficulty was experienced in making the ointment for the first time. The following procedure was, however, adopted with success: Brilliant green (8.75 gr.) was dissolved in rectified spirit (15 minims) and then incorporated with 1 oz. of soft paraffin, which experience has shown to be the most serviceable base, thereby making a 1-per-cent. ointment. The method of application is simple—all crusts or scabs are removed before the ointment is applied, smeared on lint cut so as to fit the raw surface accurately. If spread indiscriminately over the adjoining skin it leaves a stain, bright green in colour, which is rather difficult to remove, though this can be done by the use of soap and water, but a little patience is required.



## Trade Notes.

W. DAVIS, 100 Wood Street, London, E.C., supplies stands for open-window displays, and they are illustrated in his advertisement (*q.v.*).

PRICE'S PATENT CANDLE CO., LTD., are putting up their extra triple eau-de-cologne in wickered bottles, packed ready for posting. It is a good idea.

LINTON, HUBBARD & ANDREW, 72-75 Fenchurch Street, London, E.C. 3, supply all sugar-substitutes, and a post-card to them will bring our readers information.

EUCHRISMA is a word registered as a trade-mark by H. P. Truefitt, Ltd., Old Bond Street, London, W., and the company print in this issue an apology that they have received from a vendor who used a similar name.

E. BRASSE, Culvert Works, Culvert Road, South Tottenham, London, N., is the manufacturer of Manson's aseptic eye-catheters and other products of that nature that his predecessor, the late R. Manson, put on the market.

JULES DENOUEL & Co. inform us that since their advertisement in this issue went to press prices of saccharin tablets have been altered to 96s. per lb.; bottles of 100, 18s. per doz.; 200, 35s. 6d. per doz.; and 500, 88s. per doz.

P.A.T.A. PROTECTED LIST.—The additions in April are Albion milk-and-sulphur soap; Eau de Brighton; nemo-lin; Restona gold (or silver) paint; Teasdale's chlorodyne; "The All-British" vacuum flask; Zee-Kol preparations (additional).

COLD WEATHER always exists in some part of the world, so that our readers in parts that are becoming wintry should write to the Secretary of the British Commercial Gas Association, 47 Victoria Street, London, S.W. 1, for particulars as to how shops can be kept warm.

INSETS.—In consequence of the regulations issued by the Paper Commission we shall not be able to insert circulars in the issue of THE CHEMIST AND DRUGGIST usually published in July as the Summer Issue, and we accordingly notify advertisers of the fact so that they may not give instructions for the preparation and printing of such insets.

WE OBSERVE THAT GOODALL, BACKHOUSE & Co., White Horse Street, Leeds, intimate that medicated wines and preparations requiring an Excise licence can only be supplied on credit to holders of such a licence, and all other purchasers must send cash with order. This is in accordance with the Central Control Board's opinion as expressed in the C. & D., April 21, p. 51.

SUGARLENE is a substitute for sugar which is made by Mr. C. Hillman Gane, 154 Fulham Palace Road, London, W. It is a perfectly soluble white powder, one ounce of which is equal to one pound of sugar. It can be used in all respects as sugar, but one teaspoonful takes the place of two ounces of sugar. It retails in packets at 6d., 1s., 2s. 6d., 4s., 8s., and 16s., and yields the retailer a reasonable profit. Chemists will find it worth handling.

"TALKING" CARDS.—Sangers, 258 Euston Road, London, N.W., send us samples of their "talking" showcards. These are neatly printed cards (5 by 9½ in.), containing aphorisms relating to dentifrices and the preservation of the teeth. The cards do not refer to proprietary articles, and are suitable for use as showcards by any chemist selling dentifrices. "Sanger's Monthly" for May, dealing with alterations in prices, has as special lines glass show-bottles and Regnas corn planes and files.

THE SWISS BANKING CORPORATION has its London office at 43 Lothbury, E.C. 2, and a West-end branch at 11c Regent Street, Waterloo Place, S.W. 1. The bank is well known to the chemical world on account of the position it occupies in assisting and financing exports and imports of chemicals and drugs, and providing merchants with all available information on the trade and traders in allied and neutral countries. The bank will be glad to supply information to inquirers at either of the London offices.

THE SUCCESS OF THE COLLOIDAL PREPARATIONS, under the name of colloids, which are produced at the Crookes' Laboratories, 50 Elgin Crescent, London, W., has led to the production of colloidal alkaloids, the idea being to obtain the alkaloids isomorphous with the colloidal protein of the body. Collosol cocaine has been examined at the University of London and in the bacteriological department of Guy's Hospital, and the remarkable fact established that collosol cocaine can be regarded for all practical purposes as non-toxic, although its anæsthetic properties are unimpaired.

ACETYSALICYLIC ACID.—Menley & James, Ltd., are now manufacturing this chemical at their works in Camberwell, which are managed by a competent chemical engineer. The aspirin is of higher melting-point than is given in the

British Pharmacopœia, 133° to 135°, which is now known to be 2° lower than the pure acid and the aspirin made by Bayer. Menley & James's aspirin is from 135° to 137°, and is perfectly destitute of acetic odour—in fact, is a stable chemical, and does not induce the gastric acidity which is much complained about, and which is believed to be due to the presence of homologous acid, from which the Menley product is free. Samples and quotations can be obtained from Menley & James, Ltd., Menley House, Farringdon Road, London, E.C.

## Personalities.

SIR JESSE BOOT, BART., has again accepted the Presidency of the Notts County Cricket Club.

MR. WINSTON CHURCHILL, M.P., who was responsible for the Shops Act, 1912, is to be President of the Early Closing Association.

MR. CHANDOS W. BRYDGES, late Lieutenant of the West African Frontier Force, Nigeria, is now taking up a position with Needhams, Ltd., Birmingham.

MR. JAMES MEADOWCROFT, managing director of W. Meadowcroft & Sons, Ltd., essence-manufacturers, Blackburn, has been made a Justice of the Peace.

MR. M. SHADFORD, dispenser to the Derby Board of Guardians, has had his salary increased from 160l. to 180l. per annum. He dispensed 47,680 prescriptions last year.

MR. RICHARD BERTRAM PILCHER, Registrar and Secretary of the Institute of Chemistry, has completed twenty-five years' service with the Institute, and was on April 27 presented with a silver rose-bowl by the President and Council.

MR. A. H. M. PURSE, A.F.I., pharmacist, and Superintendent to the North of England Joint Insurance (Prescriptions) Committee, has been appointed chief administrative officer to the City of Cardiff Insurance Committee, and Superintendent of the Pricing Bureau for Wales.

MR. J. H. ANDERSON, representative of Potter & Clarke, Ltd., was initiated into Masonry as a member of the "Crichton" Lodge No. 1,641, the meeting being held at Frascatti's Restaurant on April 21. Mr. Anderson is the first Australian to be made a Mason in the Crichton Lodge.

MR. E. H. BOWDLER, chemist, President of the Wolverhampton Chemists' Association, Stafford Street, Wolverhampton, has been re-elected churchwarden of St. Mary's Church, and Mr. M. R. Warner, chemist, Chapel Ash, Wolverhampton, has been elected churchwarden for St. Mark's Church.

MR. W. MARSH HAMPTON, B.Sc., son of Mr. George Hampton, West Smethwick, has recently published a brochure entitled "A Description of a Rapid Method of Graphical Solution of Problems Relating to Mains and Systems of Mains," together with a chart. In this he has devised a ready means of solving ordinary problems in gas-distribution.

MR. JOHN HARRISON, J.P., who is terminating his connection with the Pharmaceutical Council at the meeting to be held on Wednesday, May 16, served part of his apprenticeship in pharmacy in his native town, Oldham, then he completed it with James Woolley, Sons & Co., Manchester, with whom he remained for a few years after. He commenced business in 1866 at the Pharmacopolium, 33 Bridge Road, Sunderland. He was one of the first to join the Chemists' and Druggists' Trade Association of Great Britain, and made his first speech for it at a meeting of the Association on June 15, 1880. Then Sir Thomas Barclay was the President, and Mr. Robert Hampson Vice-President. Mr. Hampson succeeded Sir Thomas in the presidential chair on May 16, 1882, and Mr. Harrison was made Vice-President. At that time the trade element in pharmacy was represented by the Association, and Mr. W. G. Cross and Mr. Harrison, as leading members of it, began, at the annual meeting of the Society in 1882, to give expression to trade aspirations. In the following year Mr. Harrison became President of the Association, and Mr. Cross was his Vice-President. Mr. Harrison held the position until 1885, when Mr. Cross succeeded him and was its last President. In 1887 Mr. Cross and Mr. Harrison were amongst the candidates for the Pharmaceutical Council: Mr. Cross succeeded in getting in, but Mr. Harrison occupied the seventeenth place. When Dr. Charles Symes retired from the Council in 1889 Mr. Harrison was elected by the Council in his place, and Mr. Cartledge, as President, said Mr. Harrison was "a gentleman well known in the trade as a man of exceptional ability and activity." Mr. Harrison has admirably justified the choice, for he is one of the best business men that have served on the Council. He was Vice-President of the Society from 1895



to 1897—that is, in the last year of Mr. Carteighe's presidency and the first year of Mr. Walter Hill's. Mr. Harrison has done a good deal of municipal work in Hull, having been a member of the Town Council for thirty-seven years and acted as Chairman of the Health Committee, while he has also been a Magistrate for the borough for twenty-seven years. He is also an active man politically, and is one of the best speakers amongst British pharmacists.

## Trade-marks Applied for.

The figures in parentheses refer to the classes in which the marks are grouped, for a list of which, with particulars as to registration, see "The Chemist and Druggist Diary," 1917, p. 220.

(From "The Trade-marks Journal," April 25, 1917.)

- Diamond-shaped device enclosing star bearing letters "S.I.C.," and facsimile signature "F. T. Hilton"; for chemical iron cements (1). By F. T. Hilton, 15 Brazennose Street, Manchester. 376,944.
- "KALONE"; for disinfectants (2). By G. W. J. Allen, 15 Victoria Park, Fishponds, Bristol. 377,173.
- "THERVAC"; for vacuum-walled vessels (15). By American Thermos Bottle Co., 281 St. John Street, Portland, Maine, U.S.A. 374,609.
- "GUINEA FOWL"; for custard-powder (42). By Barclay & Sons, Ltd., 95 Farringdon Street, E.C. 4. 376,889.
- Label device, including word "BRITISH," flags, etc.; for baking-powder, etc. (42). By The Watford Manufacturing Co., Ltd., Watford. 376,933.
- "LUVAZ"; for all goods (48). By The Rock Chemical Co., 35A Cambridge Street, Liverpool. 375,464. (Associated.)
- "ORIJNY"; for perfumery, etc. (48). By Harrod's Stores, Ltd., 87-135 Brompton Road, S.W. 1. 376,599.
- "PREMIERE DANSEUSE" and "ZOVON"; for perfumery, etc. (48). By R. Dixon & Co., Ltd., Canal Street, Rochdale. 376,732; 377,126.
- "AROSNA"; for perfumery, etc. (48). By D. Morgan & Co., 1 High Street, Cardiff. 376,994.
- "EXPRESS"; for hair-combs (48). By The North British Rubber Co., Ltd., Edinburgh. 377,190.

## Malt-extract for Sugar.

By O. E. Bennett, Ph.C.

IN the present shortage of sugar pharmacists should make the most of malt-extract, which, when of good quality, will convert four times its own weight of starch into sugar. Its action is not without disadvantages. Take, for instance, the effect on a plate of porridge. Made with coarse oatmeal, one part in eight by measure, and a little salt, and kept boiling for a half to three-quarters of an hour after the first froth has been boiled in, it sets, when poured on to the plate, in a fairly solid mass. If, now, a small teaspoonful of malt-extract be added, before the malt is fairly off the spoon the mixture has the consistence of a thin soup, in which the coarser grains of oatmeal are all too evident.

The result of a determination of the amount of sugar formed may be of interest. To 740 gr. of a porridge, prepared from fine oatmeal by boiling half an hour, 20 gr. of malt-extract was added; 120 gr. of this mixture, boiled after the lapse of five to ten minutes, was made up to 2 fl. oz. and strained. Seventeen c.c. of the strained liquid reduced 10 c.c. of Fehling's solution. Of a solution containing 20 gr. of malt-extract in 2 fl. oz., 5.4 c.c. reduced the same amount of Fehling's. The porridge alone showed no reducing action; when 36 c.c. of a strained mixture of 240 gr. in 2 fl. oz. of water was added to 2 c.c. of Fehling's solution, there was little or no reduction. From these figures it was deduced that about 13 gr. of maltose had been formed—less than might be expected in view of the physical change produced. Evidently the pharmacist cannot promise his public all that they would wish, but it is worth offering. A rather better result, too, is got with rice. The physical change is much less when a little malt-extract is added to a pudding of rice and milk, and titrations, with the necessary corrections, showed that in five or ten minutes a gram of malt-extract produced its own weight of sugar.

MR. OBADIAH WILLIAM CATFORD, chemist and druggist, Taunton, formerly of Milverton, who died on March 11, 1917, left estate valued at 419l. 17s. 2d. gross.

MR. JOHN JACOB SMITH, pharmacist, formerly of Walton-on-the-Hill, Liverpool, and Upper Bognor, who died on November 29, 1916, left estate of the gross value of 8,410l. 9s. 11d., with 6,855l. 1s. 11d. net personality.

## Military Tribunals' Decisions.

THE following are additional to the cases already reported in the C. & D.:

APLEYBY.—The military appeal against the exemption granted to Mr. J. T. Nicholson, dispensing chemist, was dismissed.

BEXHILL-ON-SEA.—The application of Mr. F. Wimshurst, Ph.C., for the exemption of S. J. Mott, his assistant, was adjourned, pending a communication from the Insurance Commissioners.—The same decision was arrived at in the case of H. K. Stapleton, with Mr. R. W. Robbins, dispensing chemist.

BROMLEY.—Renewed exemption has been granted to Arthur Hall, with Mr. J. Timmis, dispensing chemist, and H. Portlock, chemist's assistant.—Three months' exemption was given to P. A. Ward, with Goulden & A. Len, chemists.

KINGSTON.—The Surrey and Croydon Appeal Tribunal on April 21 refused exemption to a young man named Harris who wished to complete his pharmaceutical training.

LEWISHAM.—The application for exemption of Mr. H. Brumby, qualified optician and assistant with Mr. E. G. Price, Ph.C., was adjourned, pending communication with the Pharmaceutical Committee.

ST. HELIER'S.—Exemption until December 31 was granted to Mr. A. A. Le Rossienol, dispensing chemist, but exemption was refused to Emilo W. G. Bisson, his apprentice. Reginald W. Filleul, with Mr. P. Le Quesne, dispensing chemist, Waterloo Pharmacy, was refused exemption.

SHOREDITCH.—Four months' exemption was granted to Frederick Bartlett and Wm. Richards, employed by C. J. Hewlett & Son, Ltd., wholesale druggists, Charlotte Street, E.C.—Six months' exemption was granted to Mr. H. P. Jenkins, drug-store proprietor, 118 Kingsland Road, N.E., and to Mr. H. W. Lambert, manufacturer of chemists' sundries, Queen's Road, Dalston.—T. Nicholls & Son, Kingsland Road, N., surgical-instrument manufacturers, appealed for three of their staff, engaged in making surgical instruments. One of the men was given six months' exemption, another one month, and the appeal of the third was dismissed.

SHORTLANDS.—Exemption was renewed to Mr. H. H. Cuthbert, dispensing chemist.

SLEAFORD.—The Kesteven Tribunal refused further exemption to Robinson Leonard, chemists' manager.

SOUTHWARK.—Boots, Ltd., 80 Borough Road, were called upon to show cause why fourteen certificates of conditional exemption granted to members of their staff should not be withdrawn. The Chairman said he had interviewed Mr. Sparkes, the manager, who stated that he is prepared to release three men. An assistant was refused exemption, a wet-counter hand and a warehouse assistant were granted a month's final exemption, seven steam-waggon drivers were granted conditional exemption, a pharmacist was given six months' exemption, and the others three months' exemption each.—Conditional exemption was continued to Mr. J. E. Galloway, dispensing chemist, of P. H. Galloway, Ltd., wholesale druggists, Waiworth Road.—The Military Representative raised a question of the position of business men under thirty-one years of age classified for general service or garrison duty abroad. He maintained that under a recent order issued by Lord Rhondda the Tribunal could not grant exemption to these appellants on business grounds only. After some discussion the Tribunal adjourned all appeals on business grounds of men under thirty-one years of age for twenty-one days to allow the Town Clerk to obtain the opinion of the Local Government Board on the matter.

STAMFORD.—Further exemption was refused to C. R. Stanyon, assistant with Mr. J. S. Prior, Ph.C.

TAUNTON.—The application of I. Hughes, an assistant with Gregory & Wrenn, Ltd., was dismissed.

WALTHAMSTOW.—Exemption was granted to Mr. Morley Chancellor, works chemist at the paint, enamel, and varnish factory belonging to Mr. Chancellor, M.P.—The appeal of Mr. G. H. Marston, dispensing chemist, for exemption, was dismissed.

WHITBY.—The Military Representative appealed against the decision of the local Tribunal (C. & D., April 21, p. 34) in the cases of Mr. Chas. Tindale, dispensing chemist, Baxtergate, and Mr. P. W. E. Atkinson, dispensing chemist, Golden Lion Bank. It was suggested that the businesses could be amalgamated. Final exemption to July 2 was allowed.

WORCESTER.—Conditional exemption was granted to Percival Simpson, with Anderson & Virgo, chemists.—Certificates of exemption were renewed to Arthur Guise and Arthur Willis, assistant and apprentice with Mr. A. E. Coverdale, Ph.C.



## Insurance Act Dispensing.

A Record of matters concerning Chemists' interests in the National Health Insurance Acts.

### Reports from Local Centres.

#### ENGLAND.

**Birmingham.**—At a meeting of the Pharmaceutical Committee on April 27, the Secretary reported that Mr. J. Hutcheon, 139 Golden Hillock Road, Small Heath, and Mr. H. B. Berry, Stafford Road, Hall Green, had been added to the dispensing panel. The accountancy for the additional allowance of 0.3*d.* per prescription for establishment-charges for 1916 has now been completed, and it is anticipated that payments will very shortly be made. The total additional amount for Birmingham is about 1,100*l.*, or 6 per cent. The total average cost per script for Birmingham in 1916 is, therefore, 5.78*d.*—drugs 2.41*d.*, and dispensing and establishment fees 3.37*d.* Steps are being taken to solicit the support of all the local members of Parliament for Mr. Glyn-Jones's amendments to the Venereal Diseases Bill.

**Blackpool.**—It was recently reported to the local Chemists' Association that the prescriptions dispensed from January 1 to September 30, 1916, numbered 29,075, and the money paid was 404*l.* 16*s.* 2*d.* for the drugs and 333*l.* 18*s.* 4*d.* for dispensing-fees. With the additional 0.3 of a penny added to the dispensing-fees, the amount on that score is about equal to the allowance for drugs.

**Kent.**—A meeting of the Insurance Committee was held at Maidstone on April 26. The Finance Sub-Committee submitted the following statistics from the pricing establishment for the year ended December 31, 1916: Value of scripts, ingredient prices, 9,904*l.* 1*s.* 9*d.*; dispensing-fees, 6,549*l.* 8*s.* 5*d.*; total, 16,453*l.* 11*s.* 2*d.* Number of prescriptions, 594,378; number of persons for whom doctors prescribed, 199,000; average value per prescription, 6.64*d.*; average total cost per person, 1*s.* 7.84*d.*; frequency of prescribing per person, 2.99. The action was approved of the Sub-Committee in instructing the Clerk to pay to chemists the extra allowance of 0.3*d.* per prescription. The Medical Benefit Sub-Committee stated that they have received a letter from the Secretary of the Pharmaceutical Committee, drawing attention to certain defects in the local Pharmacopoeia which had been revealed in practice. The communication was referred to the Panel Committee. This Sub-Committee also reported having received an application from a panel chemist, asking to be allowed to withdraw from the panel in view of the fact that his assistant had been refused exemption from military service. Permission was refused. Present arrangements provide for the payment of a flat-rate of 6*d.* per prescription in respect of those prescriptions marked "urgent" by the doctor, and presented for dispensing and dispensed by the chemist between the hours of 8 P.M. and 8 A.M., and the Pharmaceutical Committee asked whether the Committee would consent to the addition of the words "and on Sundays." The application has been referred to the Panel Committee. The Pharmaceutical Service Sub-Committee reported regarding a complaint against a chemist of having supplied adhesive plaster instead of a porous belladonna plaster. It was found that the complaint had not been substantiated, and the attention of the Approved Society which laid the complaint is to be called to inaccurate statements in the Secretary's letter.

**London.**—Mr. J. Howarth presided at the meeting of the Insurance Committee held on April 26. The Finance Sub-Committee recommended the payment of accounts amounting to 60,399*l.* 2*s.* Among these were the following to chemists: For the medical year 1916, 1,006*l.* 3*s.* 7*d.*; for 1917, 9,454*l.* 1*s.* The recommendations of the Committee were adopted. Mr. R. C. K. Ensor (Chairman) brought up the report of the Pharmaceutical Service Sub-Committee, which was published in the *C. & D.*, April 28, p. 39. All the recommendations were adopted.

**Portsmouth.**—At a meeting of the Insurance Committee on April 26 Mr. Hollis (the Chairman of the Finance Sub-Committee) said the South Eastern Division for pricing prescriptions has just issued a report upon its first year's work. This division represented twelve Insurance Committees, of which Portsmouth is the fourth largest. The total of insured persons is 933,000, and the number of scripts for the year 2,148,255, representing 2,510,345 prescriptions. The value of these upon the agreed tariff was 64,347*l.* 17*s.* 11*d.*, and the extra allowance of 0.3*d.* to meet increased war costs raised this amount by 3,138*l.* 8*s.* 5*d.* The average cost per prescription was 6.45*d.*, and the average per insured person was 17.37*d.* The total working expenses were 2,721*l.* 4*s.* 7*d.*, and as each Committee had to

pay according to the prescriptions priced this made the amount payable by the Portsmouth Committee 163*l.* 12*s.* 1*d.*, or 30*l.* less than was at first anticipated. Each month nearly 200,000 scripts have to be counted, checked with invoices, and for doctor's signature, and for chemists' stamps. These have then to be docketed, requiring 10,000 dockets. The pricing then commences, and each month it is necessary to revise the prices in over 1,000 formulæ and check the alterations in over 1,000 non-tariff drugs and proprietary preparations. An ordinary pricer does about 600 scripts a day; some experts reach 1,000. The totals are worked out by counting machines, four of which are always at work dealing accurately with 60,000 scripts. After this is done about 1,200 accounts have to be made out for the various chemists' accounts. In addition minimum statistical data have to be supplied, and the scripts have to be re-priced for the purpose of the floating sixpence. In several areas it has been decided not to go on with this as nothing remains to be divided, but as regarded Portsmouth the Commissioners have decided that another three months should be worked out, but apparently the amount for Portsmouth doctors will be small. The whole question of the staff has been delegated to a small Committee, the Commissioners thinking that a smaller but better trained staff would be more economical. The Finance Sub-Committee reported that the sum to be rateably deducted from each chemist's account as a contribution to the expenses of the Pharmaceutical Committee would be 104*l.* 3*s.* 4*d.*, which sum would be deducted by monthly instalments during 1917. Glycerin and syrup of orange have been eliminated from the local Pharmacopoeia.—From a return made to the Insurance Committee regarding the emergency settlement for 1914, it appears that the five chemists who did not avail themselves of the opportunity to accept the emergency settlement lost 4*l.* 2*s.* 10*d.* The loss falls chiefly on two of the chemists, as the accounts of the other three were very small.

**Sheffield.**—A meeting of the Pharmaceutical Committee was held on April 30, Mr. H. G. Williams presiding. The Insurance Committee met on May 2. Our reports are reserved.

**Southend-on-Sea.**—Mr. S. F. Body presided at a meeting of the Pharmaceutical Committee held at 167 High Street on April 26, when the balance-sheet for 1916 was presented by the Secretary (Mr. J. G. Cowe) and adopted. The report of the Central Checking Bureau for the last of the 1916 prescriptions was received, and it was agreed that no further check is necessary.

**Surrey.**—A meeting of the Insurance Committee was held at 82 Victoria Street, Westminster, on May 2. The report of the Pharmaceutical Service Sub-Committee referred to a case in which a widow's business was carried on by a qualified chemist other than the one who had signed the dispensing-contract with the Committee. It was stated that when no chemist was employed the prescriptions were sent to the shop of another chemist. The Sub-Committee was not prepared to recommend that in the circumstances any action should be taken, provided that within a month the lady obtains a qualified chemist. The report of the Chemists and Military Service Sub-Committee was received, and Mr. E. T. Neathercoat and the Chairman were asked to interview the Commissioners, with a view of discussing some points that have arisen.

**Wolverhampton.**—Mr. F. J. Gibson, J.P., presided at a meeting of local panel chemists on April 25, when it was resolved to accept the settlement of 1916 accounts, including payment of 0.3*d.* extra per prescription. It was decided to offer to do doctors' private dispensing for the duration of the war at terms to be arranged.

**Worcester.**—At a meeting of the Insurance Committee on April 30, the Chairman announced that Mr. A. T. Saunderson had been called up again. The Pharmaceutical Committee has given the opinion that, in view of the fact that on one side the pharmacies are being run single-handed, and on the other side the nearest pharmacy is so short-staffed that application has had to be made for a dispenser to be released from the Army, it is in the interest of insured persons that Mr. Saunderson's pharmacy should be kept open. The Pharmaceutical Committee therefore recommended that his exemption should continue. Mr. A. E. Coverdale, a member of the Pharmaceutical Committee, said that many chemists have been taken by the Army recently, and are not being used as chemists in the Army. The matter was left in the hands of the Chairman.

#### SCOTLAND.

**Edinburgh.**—At a meeting of the Insurance Committee, it was reported that 751*l.* 3*s.* 11*d.* had been paid to chemists, 516*l.* 16*s.* 7*d.* being for February 1917 and



234*l.* 7*s.* 4*d.* for 1916 balances. The following cases, it was intimated, had been sent to the Pharmaceutical Committee for their attention:

(1) Five forms, 5 lb. malt and cod-liver oil—total cost, 8*s.* 6*d.*; (2) Two cases methyl-salicylate liniment, etc., six and three forms respectively, costing respectively 1*l.* 1*s.* 9*d.* and 10*s.* 8*d.* (3) Four forms, mixture, and 6 lb. extract of malt—total cost, 8*s.* 1*d.*; (4) Two forms, 200 sulphate-of-quinine tablets for one person—total cost, 7*s.* 10*d.*; (5) Two forms, one for dressings and ointment, cost 5*s.* 3*d.*; the other for four crepe bandages and twenty-five laxative vegetable tablets, cost 6*s.* 5*d.*

It was decided to write to a doctor who ordered 32 oz. cod-liver-oil emulsion, cost 7*s.* 6*d.*, for a domiciliary patient. The Commissioners, replying to a representation, said that, in practice, delay in the presentation of prescriptions to chemists does not exist to any appreciable extent, and they had accordingly decided to take no action in a case where delay happened. The Committee approved of no further action being taken. Wm. P. Young, chemist, 50 Broughton Street, Edinburgh, and Wm. B. Blyth, chemist, 112 Bonnington Road, Leith, have been added to the dispensing panel, the former having acquired the business carried on by Wm. J. Cameron at that address. The Pharmaceutical Committee wrote about shortage of sugar, and it was decided to send a copy of the letter to the Commissioners to ascertain if they can assist the chemists in the matter.

**Kirkcaldy.**—The Insurance Committee met panel doctors last week as to the high cost of prescriptions and their frequency. The doctors stated that the frequency of prescriptions is due to the number of patients who consult them for minor ailments, and whose complaints or illnesses they are not disposed to neglect. They consider the cost of the prescription is a matter between the doctor and patient. A report is to be sent to the Insurance Commissioners.

#### WALES.

**Newport (Mon.).**—At a meeting of the Insurance Committee on April 26 a deputation was appointed to confer with the Military Representative on the question of the exemption for military service of four local chemists. It was reported that a statement of expenses of the Newport Pharmaceutical Committee for last year and an estimate of expenses of that body for the current year had not been received.

## Association Affairs.

**Bradford.**—A meeting of the Bradford Pharmacists' Association was held on April 26, Mr. R. T. Silson (President) in the chair. It was decided to support the Bradford Chamber of Trade in any action it might take in the way of urging the local authorities to put into operation in the city the Lord's Day Observance Act, in view of the Home Secretary's refusal to introduce a new measure compulsorily to close shops on Sundays. It was resolved to grant 5*l.* from the Association funds to a special fund of the Chamber of Trade, established to clear off an old debt. In respect of letters from Mr. F. G. Hines, York, and Mr. W. H. Fowler, Redhill, asking for support in their Pharmaceutical Council election candidature, it was resolved to leave the matter to individual discretion. Other business was transacted.

**Cambridge.**—The local Pharmaceutical Association met in Mason's Hotel on Thursday evening, April 26, about forty being present, including several ladies and the members of the Junior Association. These were received and entertained by the President and Mrs. A. S. Campkin. During the evening a musical programme was carried out by Miss Fowler, Mr. Norrish, and Mr. Moss. Mr. and Mrs. Course contributed items, and Mrs. S. F. Barker gave a pianoforte solo and acted as accompanist. Alderman Campkin gave an inspiring address on the work of the Pharmaceutical Council and pharmaceutical politics. Mr. F. W. Bodger (Treasurer of the East Anglian Association) spoke on the Peterborough Association and the East Anglian Federation, and Mr. T. J. Mallett spoke on organisation; later the President made special reference to the members of the Association serving in the Forces, Major E. Saville Peck, Mr. Reginald Deck, Mr. David Sturton, and Mr. G. E. Beall being among those mentioned. Messrs. D. Sturton and G. E. Beall responded, as also did Messrs. S. and M. Parson. The President and Mrs. Campkin were most cordially thanked for their entertainment.

**Edinburgh.**—Mr. Adam Duncan presided at a meeting in 36 York Place on April 25, which had been called by the Edinburgh District Chemists' Trade Association for the purpose of hearing statements by Mr. W. L. Currie (Glasgow), the Scottish representative on the P.A.T.A. Council, and Mr. William Johnston (London), Secretary of the Chemists' Defence Association, in regard to the Proprietary

Articles Trade Association. The addresses were much appreciated, and were followed by a heckling and warm thanks to the speakers.

**Glasgow.**—The adjourned annual general meeting of the Glasgow and West of Scotland Chemists' Association was held on Thursday evening, April 26. Mr. Murchie, the new President, was unable to be present owing to the death of his mother, and the chair was taken by Mr. W. L. Currie (Vice-President), who referred to the matter in sympathetic terms, moving a vote of condolence with Mr. Murchie, which was unanimously passed. The only business was the alterations in the Association's constitution suggested by the late Council, about which a good deal of lively discussion took place, the result being that with the exception of some necessary alterations in by-laws the changes adopted were few.—The last whist-drive and social of the Glasgow Pharmacy Athletic Club's session was held in the Association's house on April 24. There was a splendid attendance. The first part of the evening was devoted to a whist-drive, the prize-winners being Mrs. Dickson and Mrs. Abbott and Messrs. McCutcheon and McHugh. Tea was then served, after which an enjoyable musical programme was carried through, with Mr. George Mackay in the chair. Quartets were rendered by Misses Chisholm and Terney and Messrs. Dickson and Gowans, solos being given by Mrs. McGregor, Miss Jamie, Miss Hislop, and Mr. A. H. Robertson. Miss Morris was accompanist. A special feature of the programme was the inspiring song written by Mr. D. G. McKenzie, President of the musical section, music by Mr. J. A. Taggart, entitled "Awake and face the day" (Paterson, Sons & Co., 1*s.* 6*d.*). Mr. Dickson gave an excellent rendering of the song, which was received with rapturous applause. Mr. McKenzie is giving half of the total proceeds from the sale of the song to the Scottish Red Cross Fund. The first verse is as follows:

"Hark! Do you hear them calling, the boys of the khaki line,  
"Mid shell and shrapnel falling, and the sound of bullet's whine?  
Tell the boys who cheered and shouted as we gaily marched  
away,

They must come ere the flag be flouted, they must wake and  
face the day."

**Hull.**—A meeting of the Hull Pharmacists' Association was held on May 1. Mr. L. S. Sellé (President) read a paper on *Chemists' Bookkeeping and Income-tax Returns*. He said he included in bookkeeping only account-books, and not stock-books or prescription-books. It is not necessary for the single shopkeeper to go in for elaborate bookkeeping, but the chemist should aim at three things: (1) To know how he stood; (2) to satisfy the income-tax people; and (3) to afford a basis for a possible purchaser of the business. An invoice on arrival should be read and checked when the goods came. It should then be filed. Paid bills should be put into a box. Only one book was needed, and a record should be kept of empties returned to the makers. On the preparation of an income-tax return, the kind that was desired was one which showed receipts on one side and payments with deductions for business expenses on the other. Many chemists paid more than they needed to do by not making legal deductions. These should include rent, rates, inhabited-house duty, insurance, lighting, trade journals and subscriptions to trade societies, licences, advertising, wages, repairs, and depreciation of fixtures, etc. Bad debts were not allowed as a business expense, and insurance premiums were allowed as an act of grace up to 7 per cent. of the sum insured. A discussion took place afterwards. It was arranged that the prices for liquid paraffin should be: 4 oz., 10½*d.*; 8 oz., 1*s.* 6*d.*; 16 oz., 2*s.* 9*d.*

**Metropolitan Federation.**—A meeting called by the Chemists' Associations of the Metropolitan, including Middlesex, Essex, and West Ham, was held at the Holborn Restaurant, London, W.C., on May 1, to hear the views of Mr. A. H. Jenkin and Mr. James Kirkpatrick, candidates at the election for the Pharmaceutical Council. Mr. Herbert Skinner was in the chair, and there was a good attendance. Mr. Kirkpatrick addressed the meeting first, and starting with the proposition that the Pharmaceutical Society does not spontaneously attract chemists, proceeded to ask why this is, and to suggest remedies for the defects. The organisation schemes put forward at various times have never been such as to attract qualified pharmacists and make the Society a bond of union or common centre. No opportunity is given for the discussion by chemists of projects which the Council take in hand. "Are we in a position to combat effectively the dangers which will be encountered in the near future? The admission of apothecaries' assistants and army dispensers is an urgent problem, and if the Council does not tackle it at once it is probable that the Government will step in and settle it over the heads of the Society. If alterations had been made in pharmaceutical education and examination which were advocated



years ago chemists would never be in the position they find themselves to-day. An examination for assistants should be established and an arrangement made in regard to apothecaries' assistants. The Board of Education is sure to take in hand the Society's school now that a grant is made to it from national funds, and this will mean a scheme of co-ordination of pharmaceutical education throughout the country. In regard to organisation, Mr. Kirkpatrick advocated a federation scheme and a separate body to deal with trade matters. The strength of the trade must also be exerted through representation in the House of Commons. Remuneration for Insurance dispensing the sheet-anchor should be professional fees and not the profit on drugs. Mr. A. H. Jenkin also spoke well. A number of questions were put to and answered by the candidates, and a vote of confidence and promise of support were given by the meeting.

**Portsmouth.**—The monthly meeting of the Portsmouth Pharmacists' Association was held at the Town Hall on April 25. The Secretary (Mr. Atterbury) reported the result of his endeavour to obtain further recruits for the Manufacturers' Section of the Proprietary Articles Trade Association, which was decidedly discouraging. The President (Mr. T. Postlethwaite) made a statement of the work of the Pharmaceutical Committee, explaining that this was done to ease the work at the annual meeting in July. He took the opportunity of paying a high tribute to the memory of his apprenticeship master, Thomas Cragg James, of Birkenhead, who died recently. Mr. A. B. Sparrow (Vice-President) gave a short explanation of the requirements of the Cocaine and Opium Regulations. Several members spoke to having "no dealings," but Mr. Sparrow maintained that they should nevertheless have the registers to show on demand.

**West Bromwich.**—A combined meeting of the West Bromwich and Smethwick Pharmaceutical Associations was held at the residence of Mr. George Hampton on April 24, when his son, Mr. W. Marsh Hampton, B.Sc., read a paper on *Some Problems of the Atmosphere*. He spoke of early conceptions regarding air, and dealt with the work of Cavendish, Priestley, Lavoisier, and Scheele, specially referring to Cavendish's unexplained observations on nitrogen, which Lord Rayleigh followed up with his observations on variable nitrogen in "Nature" (*C. & D.*, 1892, II., 775). This led to Sir William Ramsay taking the matter up, Lord Rayleigh working independently—the result being the discovery of argon, to which the variable nature of nitrogen noted by Cavendish was due. Mr. Hampton referred fully to the researches through which helium, neon, krypton, and xenon were isolated; spoke also of work by Kelvin, Helmholtz, and Ferrel, as well as Sir William Crookes's "radiant matter." Variation of pressure and temperature in the atmosphere was explained, Sir James Dewar's theory as to decrease of temperature on ascent being given, and a fine passage from Nansen that led up to some observations by Mr. Hampton on aurora. The diagrams used by him were most useful to the audience, and all joined heartily in the vote of thanks moved by Mr. A. J. Barnes and seconded by Mr. Griffith. Mr. and Mrs. George Hampton were also thanked for the use of their room.

**Wolverhampton.**—Mr. E. H. Bowdler presided at a meeting of the Chemists' Association, held after the panel chemists' meeting, on April 25 (see p. 46). The Secretary read letters from manufacturers as to P.A.T.A. matters. The Council election was also discussed.

## Marriages.

**COSGROVE—MULVIN.**—At St. Mary's Chapel, Castlejordan, Edenderry, on April 18, J. J. Cosgrove, Ph.C., Kildare, to Isey, daughter of Mr. Francis Mulvin, Clonmore.

**GORDON—DENT.**—At Christ Church, Leeson Park, Dublin, on April 23, Stuart Ernest Gordon, L.R.C.P., Rathmines Road, Dublin, son of the late Alexander Gordon, Ph.C., the Ranelagh Pharmacy, to Daisy, eldest daughter of Mr. Thos. Dent, Staindrop, Durham.

**McKINSTRY—WRIGHT.**—At the Caledonian Hotel, Edinburgh, on April 10, Robert Noel McKinstry, surgeon R.N., to Janet Selater, eldest daughter of Mr. David Morgan Wright, chemist, Kirkwall.

**PLACE—FOX-ALLIN.**—At St. Paul's Parish Church, Balsall Heath, on April 25, Edward Bland Place, pharmacist, 417 Moseley Road, Birmingham, eldest son of Mr. J. A. Place, chemist, Pickering, Yorks, to Jennie Louise, only daughter of the late Tom Fox-Allin, Long Itchington, Warwickshire, and the late Mrs. Fox-Allin, Edgbaston Road, Moseley, Birmingham.

## Trade Report.

The prices given in this section are those obtained by importers or manufacturers for bulk quantities or original packages. To these prices various charges have to be added, whereby values are in many instances greatly augmented before wholesale dealers receive the goods into stock, after which much expense may be incurred in garbling and the like. Qualities of chemicals, drugs, oils, and many other commodities vary greatly, and higher prices than those here quoted are charged for selected qualities of natural products even in bulk quantities. As a result of the War wholesale houses have had to contend with many fresh difficulties, some of which have involved greatly increased expenses. Shortage of labour with higher wages (equal to almost double pre-war rates) has a direct effect upon values of goods, as also have rail way carriage, freights, cartage, and other charges. The foregoing and other incidental outlays prevent retail buyers purchasing at the market prices quoted here.

42 Cannon Street, E.C. 4, May 3, 5.30 p.m.

A FAIR amount of business has been done in chemicals and drugs this week, with prices of several staples still rising, particularly cream of tartar, tartaric acid and citric acids, this being due to increasing scarcity on spot. Milk-sugar is firmer, and salicylates have a hardening tendency in view of no American imports. Aspirin is still being severely cut by English makers. The intimation of the Army Council to take possession of the stocks of quinine, phenacetin, and formaldehyde has caused considerable disturbance in these products, and business has been entirely suspended pending further instructions. Among drugs, Cape aloes have been sold privately at higher prices, and an advance of 5s. per cwt. has been paid for Sumatra benzoin. Senega is very firm, and the tendency in cascara sagrada is towards higher rates; chamomiles have been in fair demand. In oils, clove is 2d. dearer, following the advance in the spice; lemon is also dearer again, and lemongrass has been sold at higher prices on spot. Castor and other seed oils cannot be dealt in without a licence (see p. 33), and the Minister of Munitions has fixed prices for palm-kernel, palm, linseed, and cottonseed oils. In fact, the Mincing Lane and Baltic produce markets have had a nasty jar this week by the action of the Food Controller in taking over all "Burma peas and beans" at fixed prices, so that large paper profits have been wiped out by a stroke of the pen.

Higher	Firmer	Easier	Lower
Aloes (Cape)	Citric acid	Honey	Balsam Peru
Benzoin	Hexamine	Ipecacuanha	Camphor
(Sumatra)	Lemon oil	Senna pods	(Jap. ref. slabs)
Calumba	Lithia carb.	(Tinn.)	Chloral
Castor oil	Milk sugar	Turpentine	hydrate
(Eng.)	Opium		Condurango
Clove oil	Salicylates		Quillaia
Cloves			Turmeric
Coumarin			
Cream of tartar			
Gamboge			
Myrrh			
Sarsaparilla			
Seedlac			
Tartaric acid			
Wax, bees'			

## Cablegrams.

**BERGEN, April 27.**—The Norwegian cod-fishing continues poor. The catch of cod amounts to 21,200,000 millions, against 41,100,000 millions at the corresponding period of last year, and the yield of steam-refined oil is 31,416 barrels, against 49,666 barrels at the same date of 1916.

**NEW YORK, May 2.**—Business is quiet. Menthol is lower at \$3.5 per lb. Mexican sarsaparilla is dearer at 20c. per lb., and balsam Peru has advanced to \$3.85. Oregon fir balsam is lower at 95c. per Amer. gallon.

**ALMONDS.**—At auction 1,508 bags Sicilian (in prize) sold at from 68s. to 112s. 6d. (one lot 135s.), and bitter at 86s. per cwt.

**ALUM.**—Lump is obtainable at 20l. per ton.

**APRICOT-KERNELS.**—At auction 300 bags (in prize) sold at from 35s. to 47s. per cwt.



**ARECA.**—A new lot of about eighty bags is about landing which come to a bare market; 70s. appears to be the nearest value.

**ASAETIDA.**—There is practically no fine unadulterated drop to be obtained, a recent small arrival proving to be of medium quality.

**ASPIRIN.**—Sellers are still getting from 14s. to 14s. 6d. per lb. for small quantities, and it seems difficult for makers to estimate a profit when selling below these figures.

**BALSAM TOLU** is firm at 2s. to 2s. 1d. per lb. on the spot.

**BERGAMOT OIL.**—Spot holders quote 20s. to 21s. per lb., and to arrive 20s. to 22s. 6d. c.i.f.

**CANNABIS INDICA.**—The price of genuine Bombay tops is 10s. 3d. per lb., with a very limited quantity offered. In the drug-auction 32 bags of African were bought in at 2s. 6d. per lb.

**CEDARWOOD OIL.**—American is steady at 1s. per lb. on the spot.

**CHLORAL HYDRATE** is rather lower at 7s. to 7s. 6d. per lb. net in bond, according to seller.

**CINCHONINE MURIATE** has been in good export demand, and makers have sold out for May to August delivery. The spot value is about 1s. 8d. per oz.

**CITRUS ACID** is 1d. per lb. dearer at 3s. 6d. per lb.

**CLOVE OIL** has advanced a further 2d. per lb. to 6s. 2d. to 6s. 4d. as to quantity for English distilled.

**CLOVES** are dearer, with sales of fair Zanzibar on the spot at from 9½d. to 9¼d., and June-August delivery at 9½d. to 9¼d. and buyers.

**COD-LIVER OIL.**—Our Bergen correspondent writes on April 16 that the winter cod-fisheries in Lofoten, Sondmor, etc., are now closing, with results far below all expectations. The official reports give the following quantities:

	1914	1915	1916	1917
Catch of cod (millions) ...	59.9	49.1	40.6	19.9
Yield of c.l.o. (hect.) ...	49,900	40,400	48,500	29,900
Liver for "raw" oils (hect.) ...	8,600	7,100	4,300	2,900

From the Finmarken cod-fishing, which is now about to commence, no reports have been received. Writing again on April 23, our correspondent reports that the fishing news is still unsatisfactory. The last report gave the following quantities up to April 21:

	1914	1915	1916	1917
Catch of cod (millions) ...	61.5	52.6	41.1	21.5
Yield of c.l.o. (hect.) ...	46,600	42,700	50,000	31,900
Liver for "raw" oils (hect.) ...	8,900	7,400	4,400	3,100

The fishing season at Finmarken has opened, but it is yet too early to give any opinion of its future development. The "Aftenpost" (April 11) states that the great cod-fishery off the Lofoten Islands has been very poor, but prices are very high. It would appear that the "U" boats have begun to interfere with the northern fishing off Finmarken, and that only those boats which have German fishing gear will be allowed to fish. Similarly "Morgenblat" (April 1) reports: "From October to March 1 the winter catch in Finmarken did not exceed ¾ million kg. of cod. During the same season a few years ago the catch was 8-10 million kg. In several places the fishing has been stopped entirely for a longer period owing to the bad weather. The fishing prospects are bad, and, in the event of the great fishing centre being from eight to ten miles out at sea, we shall be exposed to the dangers resulting from Germany's blockade policy."

**COUMARIN.**—Sales have been made up to 63s. per lb. net for 100-per-cent., being dearer.

**CREAM OF TARTAR.**—A jump of 10s. per cwt. in a week is probably a "record" for this article, current quotations closing at 220s. for 98-per-cent., and 222s. 6d. per cwt. for 99 to 100 per cent. The scarcity of the higher tests has never been so acute.

**EPSOM SALT.**—Good druggists' quality can be had at 21l. to 22l. per ton.

**ERGOT** remains flat, with a very fair stock on spot; the value of sound Russian is 1s. 10d.

**FORMALDEHYDE.**—The Army Council have notified that they intend to take possession of all stocks exceeding ten gallons, so that business is temporarily suspended. There is said to be a fair quantity on the spot. Prior to the commandeering of the stocks the spot value was from 115s. to 120s. per cwt. The position is still firm in United States.

**HEXAMINE** is rather dearer, and is now worth 3s. 6d. per lb. net.

**LEMON OIL.**—Several Sicilian shippers quote 3s. 9d. per lb. f.o.b. Messina, which, in view of the 10-per-cent. war-risk insurance and the high freights, is equal to 4s. 2d. to 4s. 3d. per lb. c.i.f., and on this basis market is dearer. The spot value is about 4s. 2d. to 4s. 3d. per lb.

**LEMONGRASS OIL.**—Spot sales in fair quantity have been made at from 2½d. to 2¼d. per oz. net for Cochinchina; there are no c.i.f. offers.

**LIQUORICE-JUICE** has been in fair demand since our last, particularly block.

**LITHIA CARBONATE** is rather firmer at about 5s. 6d. per lb.

**MANNA.**—Best Sicilian flake is offered at 4s. 3d. per lb. c.i.f.

**MILK-SUGAR** is firmer at 190s. per cwt., at which business has been done in Dutch. A fair quantity of New Zealand has been sold.

**NUX VOMICA.**—No arrival business is taking place owing to the freight difficulty, uncertainty of war-risk insurance, etc.

**OILS (FIXED).**—The Minister of Munitions has prohibited trading in many of these, except under licence, and business in such oils as castor, linseed, rape, cotton, coconut, soy, etc., has been temporarily suspended. Prices have been fixed for palm-kernel, palm oil, linseed and cotton-seed oils. (See p. 33.)

**OPIMUM** is firmer, the value of 11½-per-cent. Turkey druggists on spot being 39s. per lb. net, and for Persian 41s. is now asked, with sales at slightly less, and further business pending.

**PHENACETIN.**—The Army Council have notified that they intend to take possession of all stocks exceeding 7 lb., so that business is temporarily suspended. Previous to this announcement there had been a fair demand at from 75s. to 80s. per lb. The New York price is \$25 per lb.

**PHENAZONE** has been in fair demand at from 54s. to 56s. per lb. net on spot.

**PHENOLPHTHALEIN** is in good demand at from 92s. 6d. to 95s. per lb.

**QUININE.**—The Army Council having notified that they intend to take possession of all stocks of sulphate exceeding 100 oz., all business has been temporarily suspended, and holders are busy filling up their schedule and calculating out the average price of their stock, a somewhat difficult matter in certain cases where it has been held for "many years." As most of the quinine on the market is a neutral product of Dutch make, it is difficult to see how the Government can fix a flat-rate at which they will take it over. A fair current value of Dutch sulphate is 2s. 8d. per oz., but that figure is nominal to-day.

**SALICYLATES** are unchanged, but the hardening tendency is still apparent, probably owing to the fact that America has ceased shipping to this side, and prices there are higher than in England. Spot prices for English B.P. salicylic acid are from 4s. to 4s. 3d. per lb. as to quantity, and for May-June delivery slightly less will buy. *Sodium salicylate* on the spot is rather firmer at 6s. for powder and 6s. 6d. for crystals, to arrive offering at 5s. 3d.

**SENEGA** is very firm, with 3s. 6d. net paid, and further sellers of limited quantity at this figure; a fair amount has been sold. In the drug-auction 31 bales (in prize) sold cheaply at from 3s. 2d. to 3s. 3d. per lb. for fair.

**SHELLAC.**—Although the Calcutta price has further dropped from 86rs. to 80rs., there was a rapid recovery on the spot and delivering market towards the close of last week, and the price of usual standard quality TN has advanced to 217s. 6d. to 220s., and fine Orange to 290s. The landings of shellac during April were 617 cases, and the deliveries 3,285 cases, leaving a stock of 39,663 cases, against 84,145 cases at the same period of 1916.

**SOY** is still advancing, with 3s. 10½d. per gallon, duty paid, asked.

**SULPHUR** remains very firm and without arrivals. Sicilian flowers are still 37l. 10s. and roll 35l. per ton. In the drug-auction 150 bags English recovered rock sulphur lying in Newcastle were offered, of which 100 had been sold privately.

**TANNIN ALBUMINATE.**—The demand for this product ought now to revive. There is a plentiful stock on the spot, which is available at from 6s. 6d. to 7s. per lb. net.

**TARTARIC ACID** is 1d. per lb. higher at 3s. 1d. per lb. on the spot.

**TURPENTINE** is slightly easier on the week, American closing at 53s. 3d. on the spot.

**VANILLIN** is becoming dearer again, and business has been done at 30s. per lb.

**WORMSEED OIL.**—The spot value of American oil is about 15s. 6d. per lb. net; there is a fair demand.

### London Drug-auctions.

Commercial Sale Rooms,  
Mincing Lane, E.C., May 3.

A fair supply of drugs was offered at auction, and the demand on the whole was good. Cape aloes sold at an advance of from 4s. to 5s. per cwt. on previous prices, but



Socotrine and Zanzibar remain extremely slow of sale. Sumatra benzoin brought an advance of 5s. per cwt. for seconds. Buchu was held for higher prices. Japanese refined camphor was forced off at a considerable decline, and for calumba dearer rates were paid. Chiretta is tending easier, although further supplies from Calcutta are not likely until peace is declared. Dragon's blood is quiet. The "record" price paid for Siam gamboge was a feature of the sale. Jamaica and Cuban honey of fine quality was offered in large quantities, but buyers were shy of paying the extreme rates asked. A considerable quantity in prize sold at a substantial reduction. Kola was again in demand at steady prices, and for ordinary Somali myrrh, a drug which is extremely scarce, famine prices were paid. Rhubarb is quiet, and for grey Jamaica sarsaparilla, which is still very scarce, an advance of about 4d. to 5d. was paid. Tinnevely senna was quiet, the undertone being generally easy, especially for pods. Beeswax of all descriptions was 5s. to 10s. dearer and in good demand. The following table shows the quantity of goods offered and sold:

Offered		Sold		Offered		Sold	
Aconite (Jap.)	20	0		Ipecacuanha—			
Almond oil	10	0		Cartagena	3	0	
Aloes—				Matto Grosso	23	3	
Cape	46	31		Minas	11	0	
Socotrine	(kgs.) 47	*5		Kino	10	5	
Zanzibar	(cs.) 33	0		Kola	257	257	
Anise, star	10	10		Lime-flowers	8	0	
Anatto-seed	35	0		Lime-juice (pun.)	13	0	
Areca	5	5		Limes (pickled)	53	0	
Argol (Cape)	79	0		Liquorice-root	287	0	
Balsam peru	36	9		Lycopodium (ewt.)	5	0	
Benzoin—				Mastich	10	0	
Siam	8	0		Myrrh	7	7	
Sumatra	115	43		Nux vomica	78	0	
Black-haw bark	70	0		Olibanum	205	0	
Buchu	9	0		Orange-peel	57	0	
Calumba	128	58		Orchella-weed	50	0	
Camphor, ref.	100	100		Potash carb. (cks.)	7	*7	
Cannabis ind.—				Quassia (ton)	1	0	
African	39	0		Quillaja	80	10	
Cantharides	24	0		Rhapontica (Ch.)	100	100	
Cardamoms	41	0		Rbatany	22	0	
Cascara sagrada	297	0		Rhubarb (Ch.)	78	7	
Cassia fistula	25	25		Salep	1	1	
Cassia pulp	9	0		Sarsaparilla—			
Chaulmoogra oil	4	0		Grey Jam.	5	5	
Chiretta	147	0		Lima Jam.	25	7	
Cochineal	32	0		Mexican	25	0	
Colocynth pulp	10	0		Native Jam.	14	0	
Condurango	100	0		Scammony-root	97	0	
Cubebs	21	0		Seedlac	93	93	
Cuttlefish-bone	28	0		Senega	31	31	
Digitalis-leaves	135	13		Senna and pods—			
Dragon's blood	27	*4		Alex. and Arabian	159	89	
Egg-yolk	19	0		Tinnevely	617	64	
Elcampa	25	0		Serpentary	2	2	
Elemi	13	0		Squill	26	0	
Eunonymus	22	0		Stramonium	30	0	
Gamboge	35	35		Strophanthus	20	0	
Gentian	25	0		Sulphur	150	*100	
Guaiacum	5	5		Tonka-beans	22	29	
Guarana	10	0		Turmeric	997	0	
Gum acacia	5	0		Wax (bees)—			
Honey—				Antigua	1	1	
California	110	0		East Indian	40	*4	
Cuban	341	18		Jamaica	28	14	
Honolulu	76	10		Morocco	2	2	
Jamaica	624	160		Nyasaland	23	20	
Cuban (prize)	317	317		Port. E. Africa	81	81	
				Wax, veg. (Jap.)	35	35	

\* Sold privately.

ALOE.—Cape, on the usual 20-per-cent. tares, sold at an advance of from 4s. to 5s. on the prices previously paid, 31 cases realising from 45s. to 46s. per cwt. for good hard bright firsts, and 44s. 6d. for good seconds slightly cindery, 40s. for soft dull, part cindery seconds, and 35s. for ordinary loose collected. A good selection of Zanzibar and Socotrine was offered, but no sales were made. Privately sales of good hard Socotrine are reported at 100s.

ANISE STAR.—Ten cases fair Chinese sold at 120s. per cwt. BALSAM PERU sold at much lower prices, 5 cases of genuine Umney analysis realising from 13s. 5d. to 13s. 11d., and towards the close of the auction 4 cases, with a cinnaeum content of 54 per cent., sold at 12s. per lb. A lot of 27 cases in prize was bought in at 15s.

BENZONIN was 5s. per cwt. dearer, 35 cases of fair brown Sumatra seconds selling at 6l. 15s. per cwt., and for three cases of Sumatra thirds 85s. per cwt. was paid.

BUCHU.—Fair slightly yellowish round leaf was limited at 6s., and fair greenish slightly stalky at 6s. 3d., with yellow and stalky at 5s. per lb.

CALUMBA.—A lot of 58 bags ordinary natural round, part wormy, sorts sold at from 56s. to 57s., being dearer.

CAMPHOR (REFINED).—A lot of 100 cases Japanese 2½ lb. slabs sold without reserve at from 2s. 7d. to 2s. 10d. (one lot 3s.) per lb. net, no discount, being much lower than the private price.

CASCARA SAGRADA.—A lot of 297 bags fair thin, part dark and quilly, bark was strictly limited at 105s. per cwt.

CASSIA FISTULA.—A lot of 25 bales of fair but ratty and slightly wormy pod sold at 50s. per cwt., and for 9 cases of pulp 70s. was wanted.

CONDURANGO is lower, with sellers of fair at 9d. per lb.

GAMBOGE met with keen competition on behalf of American buyers, 35 cases being offered and sold at an advance of from fully 27s. 6d. to 2l. 5s. per cwt. From 35l. 17s. 6d. to 37l. 10s. was paid for 29 cases of good Siam pipo slightly blocky and damp, and for 5 cases of slightly blocky, but much darker and mixed quality, 34l. 5s. was paid; very blocky and caky pickings went at 20l. 10s. per cwt.

GUAIACUM.—Five boxes of common drossy block sold at 11d. subject.

HONEY.—A larger proportion than usual of Jamaica and Cuban consisted of good pale set quality, but very little was sold, a few barrels of fine Jamaica realising 97s. to 105s., good palish set 90s. to 95s., common to fair setting yellow 85s. to 95s., and dark liquid 85s. to 87s. 6d.; dark set 87s. Of Cuban 341 packages offered and 18 sold at 97s. 6d. for nice pale set; 92s. 6d. for fair ditto; and 97s. 6d. for pale amber liquid; 317 packages Cuban in prize sold on account of the Admiralty Marshal, including common to ordinary brown set, 68s. to 72s.; fair brown to brownish set, 74s. to 77s.; pale brown set, 79s. to 86s.; pale set, 85s. to 86s.; these prices showing an irregular decline of from 7s. 6d. to 9s. per cwt. A lot of 38 casks Jamaica sold without reserve at from 71s. to 74s. for brown to brownish pale setting, and at 80s. for pale set. Privately there has been a good demand, with sales of Cuban at from 90s. to 92s. 6d., and Jamaica at 100s. to 105s.; good set Californian in cases is offered at 95s.

IPECACUANHA.—Matto Grosso is easier, three bales of ordinary dull lean selling at from 9s. 4d. to 9s. 6d. per lb. Fair average quality can be had at 10s.; for Minas 9s. 6d. is wanted, and Cartagena is 10s.

KOLA again met with a good demand at steady prices, 246 bags selling at 6d. for dull Jamaica, 5d. for dull Ceylon, and at 6d. per lb. for slightly wormy Java halves, 5½d. for chips, and 5d. for dark halves. A further 11 bags Ceylon sold at 6d. for good bold halves and at 3d. for wormy.

MYRRH, being exceptionally scarce, sold at considerably higher prices, 7 bales of fair slightly blocky and glassy Somali character realising from 8l. to 9l. 10s. per cwt.

QUILLAJA.—A lot of 80 bales fair cut without reserve at 47s. 6d. per cwt., net and gross for net, being lower.

RHUBARB.—Quiet. Four cases small to medium round horny High-dried sold at 11d. per lb., and for 3 cases of small to bold unsorted High-dried with three-quarters fair pinky fracture 1s. 6d. was paid. For medium to bold round orange-coated Shensi with three-quarters good pinky fracture 3s. 6d. was wanted. A bid of 2s. 4d. is to be submitted for small to medium round Shensi with three-quarters pale pinky fracture. Canton was limited at from 1s. 8d. to 2s. 6d. as in quality. Of Chinese *Rhapontica* 100 bags inferior old sold without reserve at from 1½d. to 2d. per lb. net, no allowances.

SALEP.—A single bale of this rare drug sold at 4s. 7d. per lb.

SARSAPARILLA.—Grey Jamaica being extremely scarce, the five bales offered sold at from 3s. 2d. to 3s. 5d. for ordinary to fair, and coarse and damaged by sugar at 2s. 10d., this being an advance of from 4d. to 5d. on previous private prices. Of Lima Jamaica 7 bales sold, including fair, part chumpy at 2s. 10d. and chumps at 2s. 6d. Four bales good red press-packed native Jamaica, but damp, sold at 1s. 4d. Previous to the auctions sales of Mexican had been made at 1s. 5d. to 1s. 6d., and Lima-Jamaica at 3s. per lb.

SENNA in poor demand at about unchanged rates. Fair medium greenish Tinnevely leaf sold at from 6½d. to 7d.; ordinary small middling greenish, 5½d.; yellowish ditto, 4½d. to 4½d.; and inferior, 3d. subject; small dark pods, 4½d. to 4½d.; and common small, 3½d. subject. A lot of 109 bales of Mecca offered, and mostly sold without reserve at from 3½d. to 4½d. for mostly common broken leaf, and for siftings 3½d. was paid.

SERPENTARY.—Two bales in prize sold at 1s. 11d. per lb. for fair.

STROPHANTHUS.—A fair quantity offered, but there was no bidding, the limits being from 4s. to 4s. 6d. per lb.

TURMERIC.—Fair Madras finger is obtainable at 42s.; 9 bags sea and oil damaged finger sold at 37s. subject.

WAX, BEES', was in good demand at again higher prices, the principal sales consisting of 91 packages Portuguese East African, which sold at 9l. 15s. to 10l. per cwt. for fair brown roll and block. Of Jamaica 28 packages offered, and 14 sold at from 10l. 5s. to 10l. 10s. per cwt. for fair mostly brown block. Of Nyasaland 20 bales sold at 10l. per cwt.



for yellow to dark part drossy block, and a bale of mostly yellow Antigua block sold at 10 $\frac{1}{2}$  per cwt. For dull bloached Calcutta 9 $\frac{1}{2}$  10s. was wanted. Two packages of Mogador sold at 8 $\frac{1}{2}$  per cwt. for dull yellow.

WAX, VEGETABLE.—A lot of 35 cases dull Japanese slabs sold without reserve at 70s. per cwt.

### Arrivals of Chemicals, Drugs, etc.

THE following is a selection of arrivals at the Ports of London, Liverpool, and Grimsby during the period April 24 to May 1 inclusive:

**To London.**  
 Acetanilide, 34 brls. 3 cs. 48 pkgs.  
 Acetic acid, 54 brls. 50 chys.  
 Aloes, 50 cs.  
 Aloin, 1 brl. 5 cs.  
 Amidopyrin, 1 cs.  
 Antim. ore, 31 tons  
 Antim. reg., 27 tons  
 Araroba, 20 cs.  
 Arecia, 81 bgs.  
 Argol, 144 bgs.  
 Asthma-cure, 107 bxs. 2 cs.  
 Balsam peru, 1 cs.  
 Barbitone, 1 cs.  
 Belladonna-root, 112 bgs.  
 Beryllium nit., 3 cs.  
 Beta-naphthol, 4 brls.  
 Boric acid, 200 cwt.  
 Buchu, 18 bls.  
 Calc. carbide, 59 cwt.  
 Camphor, 470 cs.  
 Camphor-flow., 30 cs.  
 Cascara sag., 105 bls.  
 Casein, 950 $\frac{1}{2}$ .  
 Cashew-nuts, 1,044 cwt.  
 Chem. prod., unrated, 6 cs. 10 cs.  
 Copaiba, 34 cs.  
 Cream of tartar, 33 brls. 13 cs.  
 Croton-seed, 134 bgs.  
 Oulvers-root, 6 bls.  
 Damiana-leaves, 17 bgs.  
 Dental goods, 2,159.  
 Diacetyltannin tabs., 6 pcls.  
 Dioxogen, 250 cs.  
 Drugs, unrated, 407. 88 cs.  
 Dyewood ext., 100 cs.  
 Ergoaplo, 18 cs.  
 Formaldehyde, 116 brls.  
 Fuller's earth, 5 tons  
 Gallic acid, 2 cs.  
 Galls, 999 $\frac{1}{2}$ .  
 Gelatin, 694 $\frac{1}{2}$ .  
 Gentian-root, 30 pkgs.  
 Glycerin, dist. 127 $\frac{1}{2}$ .  
 Ground-nuts, 81 cwt.  
 Gums: acacia, 9,402 cwt.; copal, 360 cwt.; kauri, 210 cwt.; olibanum, 110 cwt.; sandarac, 60 cwt.; tragacanth, 40 cwt.; unrated, 235 cwt.  
 Heliotropine, 2 cs.  
 Hexamine, 10 kgs.  
 Hydroquinone, 13 cs. 5 kgs.  
 Indigo, 55 cs.  
 Lead acetate, 8 kgs.  
 Logwood, 10 tons  
 Looahs, 184 $\frac{1}{2}$ .  
 Manna, 2 cs.  
 Metol, 1 cs.  
 Menthol, 51 cs.  
 Methyl salicyl., 19 cs.  
 Myrrh, 32 cwt.  
 Nuts and kernels: copra, 1,970 cwt.; apricot-kern., 144 bgs.; ground-nuts, 5,175 cwt.; illipe, 440 cwt.; palm-kern., 4,910 cwt.  
 Oils, essential, natural, 141 cs. 1 box 12 dms.; birch (sweet), 2 cs.; artificial, 7 pkgs. 6 cs.  
 Oils, fixed: arachis, 2,653 cs.; coconut, unref., 39 pkgs. 32 hds.; fish, 250 cs.; olive, unref., 368 tuns; soya, 712 pkgs.; wood, 1,610 $\frac{1}{2}$ .  
 Ointment, 325 $\frac{1}{2}$ .  
 Opium, 64 cs.  
 Paranitriline, 2 brls.  
 Perfumery, unrated, 1,295 $\frac{1}{2}$ ; toilet-powder, 1,238 $\frac{1}{2}$ .  
 Petroleum, 75 brls.  
 Phenolphthalein, 4 cs.  
 Potash iodide, 2 cs.  
 Pyrogall. acid, 2 cs. 3 cs.  
 Quillina, 490 $\frac{1}{2}$ .  
 Rosin, 661 cs.  
 Salol, 3 kgs. 10 cs.  
 Saltpetre, 1,193 $\frac{1}{2}$  cwt.  
 Seeds: canary, 11,299 bgs.; coriander, 883 bgs.; cotton, 2,572 bgs.; cummin, 100 bgs. 273 pkgs.; fennugreek, 614 bgs.; lin, 26,489 bgs.; rape, 8,476 bgs.; sesame, 1,565 bgs.  
 Selenium, 1 cs.  
 Senega, 12 bls.  
 Senaua, 546 bls.  
 Shellac, 1,613 cwt.  
 Slippery-elm bark, 16 pkgs.  
 Soap, household, 215 $\frac{1}{2}$ .  
 Soap, toilet, 570 $\frac{1}{2}$ .  
 Soda acetate, 217 cwt.  
 Soda benzoate, 3 cwt.  
 Soda salicylate, 7 cwt.  
 Soda sulphite, 200 cwt.  
 Soda tungstate, 3 cs.  
 Sponge, 94 bls.  
 Starches: farina, 2,900 cwt.; maize, 496 cwt.; potato flour, 1,759 cwt.; rice, 610 cwt.  
 Tannic acid, 20 brls.  
 Terpineol, 6 cs.  
 Thorium and cerium nit., 625 $\frac{1}{2}$ .  
 Turmeric, 407 bgs.  
 Wax (mostly bees'), 530 bgs. 1 pkg. 7 brls. 1 ck. 15 cs. 336 blocks  
 Wax, paraffin, 5,394 cwt.  
 Canceled entries.—Moh. 3, 750 cs. unref. coconut oil; Moh. 7-9, 49 chts. indigo; Moh. 27, 24 dms. artif. essential oils.

**To Liverpool.**  
 Acetic acid, 772 brls. 100 chys.  
 Ammon. brom., 9 cs.  
 Anuatto, 50 bgs.  
 Cassia fistula, 20 bkts.  
 Chem. prod., unrated, 12 cs.  
 Cream of tartar, 6 cks.  
 Cubebs, 8 cs.  
 Dental goods, 135 $\frac{1}{2}$ .  
 Drugs, unrated, 283 pkgs. 70 cs. 15 bls.  
 Formaldehyde, 106 brls.  
 Gambier, 242 bgs.; cutch, 400 bxs.; dye extract, 22 tons 10 cwt. 160 cks. 14 brls.; dyestuffs, unrated, 100 dms. 30 brls.; fustic, 5 tons; tanning ext., 4,000 bgs. 1,621 cks.  
 Gums, unrated, 20 brls.  
 Lactic acid, 136 cks.  
 Magnesite, 3,400 tons; dead burnt, 460 tons  
 Male-fern root, 5 bgs.  
 Nuts and kernels: copra, 1,904 bgs.; ground-nuts, 1,026 bgs.; 1,700 tons; palm-kernels, 19,686 bgs.; shea, 3,235 bgs.  
 Oils, essential, 15 cs. 4 dms. 14 cts.  
 Oils, fixed: cotton, 2,000 brls.; palm, 333 cks.; sperm, 47 brls.; whale, 502 brls.  
 Petroleum jelly, 23 cs.  
 Potash bromide, 40 cs.  
 Rosin, 910 brls.  
 Seeds: castor, 166 bgs.; cotton, 10,389 bgs.; lin, 17,398 bgs.; sesame, 138 bgs.  
 Soda bromide, 20 cs.  
 Soda nitrate, 4,226 bgs.  
 Starches, farina, 50 bgs.  
 Turpentine, 1,100 brls.  
 Vaseline, 280 cs.  
 Wax, bees', 40 bds.  
 Wax, carnauba, 272 pkgs.  
 Wax, paraffin, 118 brls. 233 bxs.

**To Grimsby.**  
 Dyestuffs, unrated, 156 cks. 1,336 pkgs.



Letters for this section should be written on one side of the paper only. The writer may adopt an assumed name for purposes of publication, but he must in all cases furnish his real name and address to the Editor.

### Potato-spraying.

SIR,—I would like to know, through the medium of your excellent journal, what the Irish agricultural chemists mean to do with regard to retail price of sulphate of copper this year. The Board of Agriculture have announced by circular and through the Press that the price should be 6 $\frac{1}{2}$ d. per lb.! Now, how this is to pay the small retail chemist I am at a loss to understand, as from a quotation received to-day from a wholesale house in Dublin—54s. 6d. per cwt. net, cash with order, i.o.r.—the cost will work out at about 6 $\frac{1}{2}$ d. per lb. delivered. And when you take into account the price of bags, etc., where's the profit? I was thinking of charging 7 $\frac{1}{2}$ d. per lb. and 1d. per lb. for soda-crystals. The opinion of some of your readers would be esteemed.

Yours faithfully,

Carrick-on-Suir.

J. TYRRE TURNER.

### Poisons in the Straits Settlements.

SIR,—I should like to bring before your notice for the benefit of exporters that a new law has just been passed here with reference to the importation of poisons into the Straits Settlements. The Ordinance is cited as the Poisons (Amendment) Ordinance, 1916. The chief amendment is in Section 2 (b) (2), and is as follows:

"On and after the first day of July 1916 no person shall without a licence from the Licensing Officer of the Settlement at which he resides or carries on business import any article deemed to be a poison under the provision of this Ordinance."

This Ordinance passed through the Straits Settlements Legislative Council on March 20, 1917. On moving the adoption of this amendment, the Colonial Secretary said that on account of the importation of a large quantity of cyanide of potassium it was felt necessary that some steps ought to be taken to control it, cyanide of potassium being a very dangerous poison, and there was no provision in the Poisons Ordinance to regulate the importation of such poisons. Such powers were undoubtedly needed, and therefore the amendment was necessary. Dr. W. G. Ellis (Principal Civil Medical Officer) seconded the motion, which was carried unanimously. This amendment is heartily approved of by the chemists and druggists here, and our Association is petitioning the Government to grant licences only to qualified chemists and druggists. Whether our petition will be successful or not remains to be seen.

Yours faithfully,

T. M. MABEN, Hon. Secretary,  
 Straits Pharmaceutical Association.

Singapore, March 23.

[In the C. & D., July 8, 1916, p. 43, we mentioned that the Ordinance had been introduced for the purpose of requiring importers of poisons to be licensed. We thank Mr. T. M. Maben for so promptly advising the trade of the passage of the Ordinance.—EDITOR C. & D.]

### Regulation of Pharmacy.

SIR,—What needs mending most in pharmacy? is a question I have put to myself, and, after much deliberation, what appears to me to need serious attention is contained in the subjoined letter which I have personally addressed to each candidate seeking election on the Pharmaceutical Council. I hope to be able to publish their replies before the date of election. I also earnestly invite replies from pharmacists in business for themselves, and particularly from the younger qualified assistants whose life-work still lies before them.

Yours truly,

Torbay Pharmacy, Torquay. ERNEST QUANT.

Following is the text of Mr. Quant's letter to Council candidates:

I venture to write, you being a candidate for a seat on the Pharmaceutical Council, to ask if you will give consideration for dealing more stringently with the unqualified persons engaged in the practice of pharmacy: I refer particularly to those young men, twenty-one to twenty-five, or even thirty, years of age, who, having passed through an apprenticeship, without producing evidence of having passed the Preliminary examination, continue to occupy positions as assistants and managing assistants without first securing the legal qualification. I think you will agree with me that every person engaged in pharmacy should be registered: by that I mean the apprentice, when his indentures are signed, should submit them to the Registrar, and for a nominal fee become registered as an apprentice. The register would

**SACCHARIN IN AUSTRIA.**—The official regulations for trade in monopoly saccharin have been published. Saccharin, which has hitherto been obtainable only on a medical prescription, will from March 26 be on sale at the authorised retail shops, including drug-stores.

**MONTERRAT PAPAIN.**—The annual report of the Montserrat Agricultural Department for 1915-16 states that the amount of papain exported totalled 2,519 lb., valued at 1,419 $\frac{1}{2}$ , this being a slight increase on the output in the previous year. Interest in this product is well maintained, and several new drying ovens were erected in the course of the year. There could be a considerable further expansion, and so long as present market prices are realised the exports promise to increase in volume. The efforts of the Agricultural Department are being directed to securing a good type of papaw for bleeding purposes (see also C. & D., December 30, 1916, p. 60).



show when these youths attained the age of twenty-one, and the Society might employ means to induce these young persons to proceed with obtaining the Minor certificate, and after due warning, if they failed to do so, place them in perpetual fear of being proceeded against under the Pharmacy Acts: this should also apply to those under twenty-one who failed to register as apprentices. It is not necessary now to enter into details, but an intermediate (otherwise a division of the Minor) examination might be instituted, upon the passing of which a person might be registered as an assistant, and be allowed to engage himself as such for a limited period to better equip himself before attempting the Qualifying examination. Before recording my vote, I shall be glad to have your opinion respecting the regulation of pharmacy as I have referred to, and, if you are in agreement, will you consider the matter in Council, should you be elected?

### Subscribers' Symposium.

For interchange of opinion among "C. & D." readers, and brief notes on business and practical topics, especially new ideas.

#### A Cure for Boils.

"I have been troubled with boils on the side of my neck, and the pain was so great that I painted around them with iodine tincture, thinking to alleviate the pain, and, *mirabile dictu*, they and the pain and inconvenience disappeared as if charmed by the most experienced war-charmer. Have you heard of this treatment before? It was quite an accident and an agreeable surprise."—A. B. (76/71).

#### "Jones the Chemist."

*Ferrum* (235/15) asked us last month (C. & D., March 10, p. 99) if his trading title, "Jones the Chemist," would compel him to register under the Registration of Business Names Act. We replied in the affirmative, whereupon "Ferrum" communicated with the Registrar and suggested blocking out the word "the" before "Chemist" and inserting a comma instead. He received an official reply saying, "I am directed by the Registrar to say that if you make the alteration proposed apparently there is no need to register." So there the matter rests.

### Miscellaneous Inquiries.

When samples are sent particulars should be supplied to us as to their origin, what they are, what they are used for and how. We do not undertake to analyse and report upon proprietary articles nor to publish supposed formulas for them.

*Utility* (8/24).—ROUP-POWDER FOR POULTRY.—The kind of roup-powder which is soluble in water and is used for adding to the fowls' drinking-water is copper sulphate. Most of the copper-sulphate roup-powders we have seen have been disguised in various ways, a little aniline red triturated with the copperas being the favourite method. A little potassium permanganate may be employed for effecting the disguise. So much of the roup-powder as will lie on a shilling is added to a gallon of the fowls' drinking-water.

*D. T.* (252/20).—The Malt Restriction Order (C. & D., April 21, p. 34) renders the brewing of home-made beer out of the question; it is therefore unnecessary to describe the processes involved.

*Iron* (7/30).—(1) BOOKS ON ORGANIC CHEMISTRY.—Moore's "Outlines of Organic Chemistry" (Chapman & Hall, 6s. 6d.) or Cohen's "Theoretical Organic Chemistry" (Macmillan, 6s.). (2) MARSH'S TEST.—Arsenic and antimony are the only substances which show a deposit on a piece of white porcelain. The appearance of the two deposits is different, and chlorinated-lime solution immediately dissolves the arsenic spot, the antimony deposit being unaffected.

*W. B. R.* (13/48).—BOILER-INCrustATION PREVENTIVE.—It is barium chloride which is employed with tannin to prevent the formation of hard crusts in steam-boilers. One patent method requires the use of 4 parts of barium chloride to 1 part of tannin. You could make barium chloride from the carbonate which you have by dissolving it in hydrochloric acid, filtering the solution, and allowing the barium chloride to crystallise.

*D. F.* (15/5).—SKIN-eruption IN FACTORY WORKERS.—Your treatment of the dermatitis which occurs in the workers of a factory where metal is worked is on right lines. An investigation is needed before the cause of the trouble can be arrived at. Would it not be well to get assistance from the medical advisers of the Ministry of Munitions?

*H. W. D.* (13/61).—YEAST-MANUFACTURE.—The following process for making "patent" yeast for bakers' use was given in *The Chemist and Druggist Diary*, 1908:

Hops ... ..	3 oz.
Crushed malt ... ..	3½ lb.
Water ... ..	4 gals.

The crushed malt is mixed with the clear infusion from the hops while warm, and allowed to stand to grow the yeast. Sometimes brown sugar and ginger are added, the various flavours of bread being often due to the kind of yeast employed. You could use an equivalent of malt extract in place of the crushed malt.

*W. P.* (14/51).—DEPOSITS IN WATER-PIPES.—These can only be removed by mechanical means. Your customer should appreciate the danger of the pipes becoming entirely choked. The prevention of boiler deposits is a big subject, generally tackled by large users of steam by installing water-softening plant. Some formulæ for anti-incrustation fluids are given in "Pharmaceutical Formulas."

*Ajax* (17/6).—POISONING GRAIN FOR THE DESTRUCTION OF BIRDS.—The following is a method employed in New Zealand for poisoning grain:

Ten pounds of wheat is damped with fresh milk so that the whole grain is wet, but not dripping with moisture. Four-fifths of an ounce (avoidupois) of powdered strychnine, not too fine, is then gradually shaken on to the grain, the whole being constantly stirred. When all the strychnine is mixed in the grain may be immediately laid. This is best done by laying a good train of chaff, without any oats, to attract attention. The poisoned grain is then very lightly sprinkled on the chaff.

*E. J. D.* (14/59).—A list of books on prosthetic dentistry was given in the C. & D., May 13, 1916, p. 52. The London County Council will probably organise classes in mechanical dentistry, but the session does not generally begin until September.

*F. V.* (13/60).—(1) WIREWORMS IN SOIL.—To kill wireworms in the soil naphthalene is employed as a fumigant. For garden purposes 1 lb. is required for every 8 to 10 square yards. Vaporite is a proprietary form of this fumigant. (2) KILLING WEEDS ON GRAVEL PATHS.—A 5-per-cent. solution of carbolic acid is as good as anything for the purpose. Other formulæ were given in the C. & D., September 9, 1916, p. 52.

*W. P.* (14/1).—TREATMENT OF PSORIASIS.—This varies according to the individual, and it often takes a long time before the remedy is discovered. Treatment is directed to eliminate any conditions of life which are not strictly hygienic, revising the diet and administering arsenic in full doses. Salicylate of soda, iodide of potash, and thyroid substance are specific in certain forms of psoriasis. As an external application chrysarobin is considered the best remedy, but as it acts by producing a local inflammation its use should be carefully regulated. Tar is also used, as well as salicylic acid and sulphur.

*J. M. B.* (11/54).—THE TWO FORMULÆ for which you inquire are the same, under the name *Headache Powders* or *Tic and Neuralgia Powders*. The formula is:

Acetanilide ... ..	7 oz.
Caffeine ... ..	1 oz.
Sodium bicarbonate ... ..	2 oz.

Dose.—Ten to 15 gr. (for headache) or 3 to 5 gr. (for neuralgia).

*Ghimel* (13/50).—BOOKS ON EXPLOSIVES.—Handbooks on the subject are Ramsey and Weston's "Manual of Explosives" (Paul, Trench, Trübner & Co., 1s.) and Wisser's "Explosive Materials" (Spon, 2s.). There are several larger works on explosives, and a good article on the subject is given in Thorpe's "Dictionary of Applied Chemistry."

*K. S.* (15/33).—BOOK ON MANUFACTURE OF TABLETS.—Wood's "Tablet Manufacture" (Lippincott, 7s. 6d.) is the best work on this subject.

## Retrospect of Fifty Years Ago.

Reprinted from "The Chemist and Druggist," May 15, 1867.

#### F.R.S.

We observe with singular pleasure the name of Mr. Daniel Hanbury in the list of the fifteen selected candidates recommended for election to the dignity of F.R.S. Our readers are aware that the honour is hereditary. William Allon was a Fellow of the Royal Society.



# THE CHEMIST & DRUGGIST SUPPLEMENT.

OFFICE: 42 CANNON STREET, E.C.

SATURDAY, MAY 5, 1917

This Supplement is inserted in every number of "The Chemist and Druggist."

## CHEMISTS' TRANSFERS.

**Messrs. ORRIDGE & CO., 56 Ludgate Hill, E.C.**

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1.—LONDON, N.W. (Main Thoroughfare).—Death vacancy; lock-up Pharmacy; situate in main thoroughfare; attractive shop and good stock; returns about £1,000; profits above the average of Retail trade; terms, valuation of stock and fixtures.

2.—LONDON, W.—For immediate Disposal, high-class Dispensing and Retail Business; returns about £1,200; gross profit between £650 and £700; the business is known to us, and we can recommend it; valuation terms.

3.—TOTTENHAM.—Ready-money Business; returning, under Manager, £1,400 to £1,500 at good prices; books kept by accountant and stock taken annually; about £375 required to purchase, £200 on entry, and balance by instalments.

4.—KENT (Suburban).—Middle-class Retail and Dispensing Business; no N.H.I.; returns £900; net profit £249; comfortable residence; moderate rental; price £275 on entry and balance, £175, by instalments; full investigation courted.

5.—RICHMOND (Near).—Very old-established Business; held by vendor many years, now retiring; returns between £850 and £900; profit above the average; first reasonable offer will be accepted.

6.—KENT (Good-class Suburb).—Established Business; returns upwards of £1,400 yearly at fair prices; attractive shop, double-fronted; well-selected stock; rent £50 yearly; price £900.

7.—LONDON, S.W.—Medium-class Family trade; well established; turnover averages £925; gross profit £355; comfortable residence; rent £45; sub-let £13; no near opposition; price £400, or valuation of stock and fixtures.

8.—WESTERN COUNTY.—Old-established Business, Retail, Dispensing, and Agricultural; situate in best position in good market town; returns about £1,700; about £1,000 required, for which full value is offered.

9.—OXON. (Market Town).—Good-class Business, Retail, Dispensing, and Photographic, with small Mineral-Water Plant; returns average over £1,000 yearly; scope for development; good position in main thoroughfare; valuation terms entertained.

10.—EXETER (Near).—For Disposal through death, Family and Dispensing Business; returns between £400 and £500; rent £38; no immediate opposition; price £175.

11.—BIRMINGHAM.—Retail and Dispensing Business; established many years; returns, under management, about £600, formerly £1,000; there is also an appointment giving an income of £80 yearly; satisfactory reason for disposal; valuation terms entertained.

12.—HEALTH RESORT (Within Easy Reach of London).—Established Business; capital situation; returns, under management, about £12 weekly; scope for development under personal supervision; attractive, double-fronted shop, with comfortable residence attached; price £250.

13.—MIDDLESEX.—Good-class Business; capital position; returns about £2,000; intending investors with £1,100 at command will find this a sound concern.

14.—SOUTHAMPTON (Near).—Mixed Business; returns under assistant over £800 yearly; net profit £300; full investigation invited; reasonable offer would be accepted.

## VALUATIONS FOR STOCKTAKING.

Messrs. O. & Co. desire to emphasize the necessity of a Periodical Statement of Account, by which means alone Profit, the value of Business, &c., can be determined. Involving as this does the labour of Stocktaking and Valuation, it is often omitted, and eventually becomes the cause of confusion and loss.

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**BIRMINGHAM.**—Small Business for Disposal; lock-up; low rental; good profits; serious illness cause of sale. Apply, 219/39, Office of this Paper.

**CORNWALL.**—Light Retail and Dispensing Business; suit lady or ineligible gentleman; no near opposition; lock-up shop; good position in main street; lease nearly 10 years to run; all cash trade; several good Proprietaries; good market town; no Insurance work; owner retiring from Retail. Particulars, Samuel Arthur, Chemist, Redruth.

**LONDON, N.W.**—Old-established high-class Pharmacy for Sale; good prices obtained; takings this year average £30 per week; scope for increase; Optics and Photography could be easily added to advantage; moderate rent; no reasonable offer refused for quick sale, as owner must sell. 223/19, Office of this Paper.

**LONDON, S.W.**—A great opportunity occurs to acquire an established Business doing about £14 weekly; no N.H.I., but badly needed up-to-date fittings; stock at valuation (about £250); owner being called up; agents ignored. Apply, in first instance, to "Bona-fide," 35 Bournevale Road, Streatham.

**NEAR LIVERPOOL.**—Light Retail and Dispensing; returning about £850; showing a net profit of one-third; light hours; no N.H.I. or Optics, and easily worked; will be sold on favourable terms to enable vendor to take over a larger concern; suit lady; introduction given. "Chemist" (222/28), Office of this Paper.

**FOR SALE.**—Business in London; Drug and Herbal Stores; no other near; in thickly populated district; main road; established 30 years; including many valuable recipes, with Pill Machinery, etc.; illness cause of sale. F. Carter, 7 Queen's Road, Peckham, S.E.

**IN fashionable inland health resort,** old-established Dispensing and Family Business; annually increasing returns; good house; well-fitted, fully stocked shop; moderate terms to early purchaser; full investigation allowed. Apply Parson C. Baker, 1 Mountfield Road, Church End, Finchley, N.3.



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2.—SOUTHEND-ON-SEA.—Very profitable Light Retail, few patents; present returns £12 weekly under manager; will do £25 to £30 in season; fine main-road position; good house attached; price £250, or £50 and valuation; strongly recommended.

3.—HERTS (Market Town).—Most desirable Light Country Retail; easily worked; returns about £900; good profits; excellent house, bathroom, etc.; very best position; well stocked; price for prompt sale, £400 cash; strongly recommended.

4.—YORKS.—First-class Retail and Dispensing Business, pleasantly situated; easily worked; returns over £900; net profit £300; good house and Pharmacy; scope for increase; price, valuation about £650.

5.—LONDON, N. (13 Miles Out).—Middle-class Retail and Dispensing; pleasantly situated; main-road position; returns £1,300, including £250 Dental; net profit nearly £500; modern house, bathroom, and large garden; low rent; books properly kept; price £600, or £150 and valuation; partnership arranged.

6.—LONDON, S.W.—Profitable Cash Suburban Retail; entirely under manager; present returns between £800 and £900; plenty of scope; rent £50, let off £26; well stocked; main-road position; price £20 and valuation, about £350; manager called up.

**STOCKTAKINGS.**

Appointments for stocktakings and valuations should be made early. Full particulars and terms sent on application. See page 90 of the *C. & D. Diary*, 1917.

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Price-lists, trade circulars, samples, and printed matter can in no case be forwarded, the Box numbers being intended exclusively for specific answers to particular advertisements. The Publisher reserves the right to open and refuse to forward any communications received which he may consider contrary to this rule.

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**FOR SALE.**

**CASH** offers for 14 pairs Dental Forceps, 12 Impression Trays, 4 50-gallon Cylinders Nitrous Oxide Gas (one full); about 2 lb. Stent's Composition. J. H. Warr, 2 Copenhagen Street, Islington, London, N.

**COMPLETE** Fittings of Chemist Shop; Wall Cases, Drawers, Counter with Glass Cases in front, Mirrors, etc., in mahogany and first-rate condition. Clare & Hunt, Ltd., South Street, Scarborough.

**OATMEAL**.—200 × 1 lb. tins Knorr's Superfine Oatmeal (Hour), suitable for Invalid Food or Toilet Preparations; also 4 cwt. Quassia Chips. Apply, Quicks, 20 Peckford Place, Brixton Road, S.W. 9. (Sample Tin Oatmeal post paid 1s.)

**SELF-ADDING** National Cash Register for Sale; second-hand; suit any business; accept low price for quick sale. Write to F. Smith, 50 Thackeray Buildings, Herbrand Street, W.C. 1.

**TRIAL** Case, containing 30 pairs each convex and concave Lenses, 18 each ditto Cylinders; unmounted; trial frame; orthos measure; condition throughout as new. Also Raphael's Lens Measure, watch size; new; 15s.; or the lot £3 10s. Webster, Arrad Foot, Ulverston.

**WHAT OFFERS?**—About 100 lb. each Myrbane Oil and Oil Birch Tar; rectified. Harrison, Manufacturing Chemist, Reading.

**14** LB. Saccharine Tablets,  $\frac{1}{2}$  grain in 1 grain, 95s. per lb.; 2 lb. or more, 90s. lb.; cash with order, post paid. Walton, Chemist, Batley Carr.

**4 × 5** LB. Menthol (Kobayashi), 15s. lb.; 5 lb. Potass. Gualacol-Sulphonate, 70s. lb.; 28 lb. P. Rhei. Opt., 2s. lb.; 2 doz. 3s. 6d. Carnrick's Peptonoids, 28s. doz.; 2 doz. 5s. Sanophos, 38s. doz.; 5 cases Hunyadi, 40s. case of 50 small. Linell, 176 Mary Street, Balsall Heath, Birmingham.

**4** OZ. Phenazone Tabs., 5 gr., 2s. 11d. oz.; 7 oz. Phenazone Pulv., 3s. 3d. oz.;  $\frac{1}{2}$  doz. 2s. 6d. Onalite Foot Powder, 7s. 6d. all; 16 lb. Dextrine, 11s.; 4 oz. Sodex Benz, 7s. 6d.; 8 oz. Bismuth Subgallate, 5s.; 1 lb. Bismuth Trisnit, 10s.; 2 doz. Jap. Air Pillows, 9s.; 5 gross "One and All" Flower Seeds, assorted, 10s.; 5 oz. Hyd. Iodid. Rub., 5s.; 12 oz. Menthol XL, 9s.; 4 lb. Cera Flav., 7s.; 1 doz. 5 ft. length Douche Tubing, new, 6s. 6d. "B." Chemist, 97 Borough High Street.

**PREMISES WANTED.**

**DENTAL SURGERY.**—Wanted, Upper Part, with small show window preferred; centrally situated; furnished or unfurnished; previously occupied by Dentist preferred. Full particulars, with lowest rent, S., 41 Cowley Mansions, Cowley Road, Brixton, 9.

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**SHOP AND PREMISES, WEST END.**—Chemists' for many years; vacant at June owing to death of proprietor; good market position; rent £150 on lease; part let off; no premium, no fixtures. Apply, Elliott, Son & Boyton, 6 Vere Street, Oxford Street, W.

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**RETAIL.**

**BIRMINGHAM.**—Smart young lady Assistant required; must have had good previous experience with a Chemist. "Ley" (223/303), Office of this Paper.

**BIRMINGHAM.**—Good opening for smart, unqualified man, age over 42, in the office of a well-known firm; must have had all-round experience and be well up in prices. "Hazel" (223/501), Office of this Paper.



**BIRMINGHAM.**—Qualified Chemist required for Counter and Dispensing; capable of taking charge; ineligible; state experience and salary required. Wilkins, 359 Birchfield Road, Perry Barr.

**BIRMINGHAM.**—Unqualified Assistant; age about 46; must have had brisk Counter experience and have fair knowledge of Dispensing; permanency. "Ley" (223/30), Office of this Paper.

**BLACKBURN.**—Assistant required, unqualified, active, for Wholesale and Retail. State age, salary, and references, to C. A. Critchley & Co., Pharmaceutical Chemists, 10 King William Street, Blackburn.

**BRISTOL.**—Wanted, Assistant; lady or gentleman. Apply, stating age, salary, and experience, Ferris & Co., Ltd., Chemists, Bristol.

**CANTERBURY.**—Assistant; unqualified; ineligible; accustomed to good-class Business. Full particulars, with photo, to E. Bing & Son, Pharmaceutical Chemists, Canterbury.

**CHELTHENHAM.**—Assistant, ineligible or lady, for Dispensing business. Dolman, Bath Road, Cheltenham.

**CHEPSTOW (MON.).**—Assistant for Light Retail and Dispensing; outdoors; easy hours; no Sunday duty. Apply, with usual particulars, Clarke, Chemist, Chepstow.

**CIRENCESTER.**—Assistant; lady or gentleman; Dispensing and Agricultural business. Apply, with usual particulars, enclosing photograph, Harold Smith, Cirencester.

**HAMPSHIRE.**—Unqualified Assistant, Army ineligible or discharged soldier, required for first-class Business in Hampshire, near permanent military camp; very fine neighbourhood for summer months; good outdoor berth; good experience and references necessary. Or unqualified Locum for summer months only would be entertained. State salary, when disengaged, photo if possible, Keeble, Chemist, Liss, Hampshire.

**HEREFORD.**—Wanted, for good-class Business, a lady Assistant; short hours; no extra duty; comfortable berth with good experience; outdoors; give full particulars. Walter Marchant, 36 High Town, Hereford.

**KINGSTON-ON-THAMES (Near).**—Qualified lady Assistant required for about one hour each night to assist with N.H.I. work; any time between 7 and 9 p.m. would do; no Sunday work. Apply "Ramsey" (221/22), Office of this Paper.

**LONDON (Suburb).**—Assistant; ineligible; whole or part time; outdoors; good-class Retail, Dispensing, and Photographic; state usual particulars, salary expected, and when disengaged. Apply, J. P. Kendall, 20 Park Parade, Palmers Green, N. 13.

**LONDON, N.E.**—Qualified Manager for Branch; salary £3 10s. to commence; hours 9 a.m. till 9 p.m.; whole day holiday a week; alternate Sunday from 6.30 till 9 p.m. (two kept); over military age or ineligible for Army. Apply, with full particulars, stating age, experience, etc., to "Pharmacist" (224/36), Office of this Paper.

**LONDON, N.W.**—Free furnished apartments in healthy suburb, with small salary, offered to elderly couple in return for light duty in Pharmacy; suit retired Chemist seeking light occupation. Apply 223/5, Office of this Paper.

**LONDON, N.W.**—Evenings, for Dispensing and Counter. Brickell & Jones, 295 High Road, Brondesbury, N.W. 6.

**LONDON, S.W.**—Wanted, an Assistant; ineligible for military service. Apply, with full particulars, to Amore & Co., 173 Sloane Street, S.W.

**MANCHESTER.**—Young lady required for Chemist's Business; must have some experience with a Chemist; permanency. "Manchester" (223/300), Office of this Paper.

**MANCHESTER.**—A qualified man required to manage Branch; a good Counterman with references essential; generous treatment to a good man. Apply, "Soda," c/o Heath Bros., Blackfriars, Manchester.

**MANCHESTER DISTRICT.**—Qualified Branch Manager (outdoors) for Retail and Dispensing business; military ineligible. Applicants kindly state age, height, references, salary required, and enclose photo if convenient (to be returned), to T. Woodruff, Ph.C., High Street, Cheadle, Cheshire.

**N. LONDON.**—Young lady Assistant required for Dispensing and Counter work; outdoors; easy hours; no Sunday duty. Apply, 223/290, Office of this Paper.

**NEAR MANCHESTER.**—Wanted (immediately), qualified Assistant; comfortable position; would suit elderly or lady. Apply, stating salary required (outdoors), and enclosing references, etc., to 223/18, Office of this Paper.

**NORWICH.**—Assistant (outdoors) wanted; ineligible for Army service; Dispensing and Counter; medium-class Business; hours 9 till 3, Saturday 9 p.m., Thursday half-holiday, no Sunday duty; good salary to competent man; rail fare paid. Apply, stating age, experience, salary required, and when disengaged, Fuller & Co., Chemists, Norwich.

**READING.**—At once, unqualified Assistant (if gentleman, must be ineligible) for Light Retail and Dispensing, with N.H.I. Usual particulars, state salary required (outdoors), to Cooper, 107 London Street, Reading.

**RICHMOND, SURREY.**—Lady Assistant wanted for Counter and Dispensing; good-class Store trade; permanency and no Sunday duties. Apply, personally or by letter, Coppen Bros., Ltd., 12½ Carey Street, Vincent Square, Westminster, S.W.

**RUGBY.**—Assistant, junior, lady or gentleman, in good-class Dispensing and Retail business. Particulars to Percy E. Gray, Pharmaceutical Chemist, Rugby.

**SIDMOUTH.**—Assistant required for high-class Dispensing business; either sex (if male, ineligible for military service or C3); must be reliable Dispenser; short hours. Apply, giving full particulars, to Hinton Lake & Son, High-class Chemists, Sidmouth, Devon.

**SOUTH COAST.**—Qualified lady required for good-class Business; permanent; excellent salary will be given to suitable applicant; fare will be paid for interview before engagement if necessary. Apply "John" (221/26), Office of this Paper.

**SOUTH of England.**—Assistant required; free removal; permanency with good salary. Timothy White Co., Ltd., Chemists, Portsmouth.


**TAUNTON.**—Wanted, reliable, unqualified Assistant; outdoors; easy hours. Apply, with full particulars, to Gregory & Wrenn, Chemists, Taunton.

**WEST END.**—Part or whole time; easy berth; must have had good training Dispensing and Counter; sleeping accommodation found. Call before 12, or write, "Ignotus," 7 Belgrave Mansions, S.W. 1.

## RESULTS

OF ADVERTISING IN THIS SUPPLEMENT  
LAST WEEK APR. 28 1917

NATURE OF ADVT.	REPLIES
UNQUAL.	19
DISPENSER	11
TRAVELLER	9
MANAGER	9
ASSIST!	9



This Blackboard demonstrates that Advertisers using these columns get a ready response to their announcements. The figures only refer to some of the letters RECEIVED AT OUR OFFICE on behalf of Advertisers who use a number or nom de pume.

### TO SAVE TROUBLE.

MANY correspondents answering advertisements in this Supplement enclose remittances to cover the cost of forwarding their letters to advertisers who prefer to be addressed c/o this Office. The Publisher desires to make it clear that this is quite superfluous, and perhaps this reminder will obviate the necessity of the frequent return by him of such remittances.

### ANSWER IN TERMS OF THE ADVERTISEMENT AND

REMEMBER you are one of possibly hundreds applying for the same position. Put your case before the advertiser so that he may be able to form a MENTAL PICTURE of your suitability.

BE BRIEF BUT CLEAR.—Millions of applications are consigned to the waste-paper basket UNCONSIDERED, because the reader cannot form this picture from the inadequacy of the materials set before him.



**YORKSHIRE (West Riding).—**Manager (qualified) required for progressive Cash business; must be a rejected man or above military age; liberal interest in the profits offered to a really capable man. "Urban" (223/302), Office of this Paper.

**ASSISTANT** required at once. Give full particulars in first letter to Noble, Chemist, South Croydon.

**COMPETENT**, unqualified Assistant required; outdoors; with knowledge of Photographic salesmanship (no developing or printing). Please state salary expected and give references to Atkins & Son, Pharmacists, Salisbury.

**DISPENSER** (male or female), qualified, wanted temporarily for the Workhouse Infirmary, Portsmouth; must possess the qualification required by the Local Government Board. Apply, stating salary required and full particulars, to the Clerk to the Guardians, Portsmouth.

(By Order) E. H. MITCHELL, Clerk.  
2nd May, 1917.

**DISPENSING Assistant** (lady) required for good-class Dispensing business and N.H.I.; Hall qualification with some experience preferred; good salary; easy hours. H. W. Selby, Sussex Square Pharmacy, Haywards Heath.

**IMPROVER** or Turnover wanted for provincial Family and Agricultural Business; outdoors; easy hours; must be ineligible or not over 17 years of age. Write, with full particulars, to R. B. Sandiland, Pharmaceutical Chemist, Leominster, Herefordshire.

**IN** consequence of ill-health a Locum is required for two or three months. Full particulars to C. P., 41 King Street, Southall.

**LADY Assistant** wanted, with knowledge of Dispensing and Counter. Send full particulars to Lord & Co., 547 Barking Road, Plaistow, E.

**LADY Dispenser and Bookkeeper** (outdoors) wanted for Medical Practice in town near London. Apply, stating age, experience, salary required, etc., to 219/35, Office of this Paper.

**LADY Assistant**; outdoors; mainly for Dispensing; other lady Assistants employed; Dispensing experience essential; school knowledge of French an advantage. Frizell & Co., 1 Cranbourn Street, Leicester Square, W.C. 2.

**LADY Assistant for Drug Stores**; one with some experience; no Sunday work. Grant, 33 Chatsworth Road, Clapton Park, N.E.

**LOCUM** wanted, May 29 to June 5, both dates inclusive. Full particulars, White, Pharmacist, Earl Shilton, near Hinckley.

**MANAGER** required (at once) (ineligible) to take full charge; knowledge of agricultural business essential. Apply, with full particulars, experience, age, references, and salary required, to Allen & Neale, King's Lynn.

**MANAGER** for Richmond Hill (married preferred), to reside on premises; personal interview preferred; Optical qualification an advantage but not essential. Apply Blanchford, Chemist-Optician, 76 High Street, Wimbledon, S.W. 19.

**MANAGER**, qualified, over military age, trustworthy, to take sole charge of good middle-class Business in West End; mostly Counter trade; not much Dispensing; scope for capable man; also evening relief each Thursday and alternate Sunday. Apply, 22/7, Office of this Paper.

**MESSRS. TIMOTHY WHITE CO., LTD.**, Chemists, Portsmouth, require a capable Pharmacist (male or female); easy hours; good and progressive salary, with excellent prospects; free removal.

**PART-TIME Assistant**, afternoons and evenings, for Counter and Stock; comfortable berth; convenient; near Chancery Lane and Holborn Tube Stations; must be ineligible for military service, well recommended, and reliable. Apply, "Western Central" (225/4), Office of this Paper.

**QUALIFIED Assistant** wanted; ineligible or over military age; outdoors. Russell Jacks, Pharmaceutical Chemist, 161 Gower Street, London, W.C. 1.

**QUALIFIED Manager** (single), age about 45, required for Relief work; permanent and lucrative post. "Relief" (225/304), Office of this Paper.

**QUALIFIED Manager**, ineligible for Army, wanted for S.W. London district; outdoors; no Sunday duty; good salary to suitable person. Apply H. S. Durbin, 19 Victoria Road, Surbiton.

**REQUIRED**, at once, the services of a qualified lady Dispenser. Apply, by letter or personally, with testimonials, to the Heart Hospital, Westmoreland Street, W.

**THOROUGHLY competent Assistant** wanted. State salary and full particulars to 1 Baron's Court Road, West Kensington.

**UNQUALIFIED Assistant** (female or ineligible male) in quick Cash business; must possess Dispensing experience; easy hours; no Sunday or night duty. Apply, stating particulars of experience, age, and salary required, to Martyn's Stores, Ltd., 26 Queen Street, Wolverhampton.

**WANTED**, immediately, a lady Dispenser for Country Practice; quiet village, 3 miles from country town; hours 9 to 12 and 6 to 7; salary 30s. Apply, Dr. Williams-Freeman, Weyhill, near Andover, Hants.

**WANTED**, qualified Assistant (lady or gentleman); Light Retail and N.H.I. Dispensing. Apply, E. Brownbill, 176 Woodhouse Street, Leeds.

**WANTED**, qualified Assistant for Dispensing and Light General Retail; lady or gentleman, if the latter must be ineligible; indoors. Apply, stating experience, full particulars, and salary required, to F. Tunbridge, 39 Castle Street, Reading.

**WANTED**, immediately, reliable lady Dispenser (outdoors) in high-class Pharmacy in North London; reasonable hours; 1 o'clock Thursdays and no Sunday duty. Reply, with full particulars, to 223/29, Office of this Paper.

**WANTED**, lady Assistant with the Apothecaries' Hall qualification and some Business experience; short hours, one o'clock Saturdays. Apply, stating salary required, etc., to Staff Superintendent, C.S.S.A., Ltd., 136 Queen Victoria Street, E.C. 4.

## WHOLESALE.

**ASSISTANT** required at once for Wholesale Manufacturing Druggists' Laboratory; ineligible for Army. Apply, giving full particulars, Davies, Sons & Co., Manufacturing Chemists, Derby.

**BOOKKEEPER** required; some knowledge of the business or previous experience as a Chemist's Bookkeeper desirable; lady or gentleman. Apply, by letter, to Manager, Savory & Moore, 29 Chapel Street, Belgrave Square, S.W. 1.

**MANUFACTURING Chemists** (experienced and capable) are open to pack or put up Drugs, Medicines, or Toilets for firms suffering from shortage of staff; inquiries strictly confidential; references exchanged. "F. C. S." (20/31), Office of this Paper.

**QUALIFIED Chemist** wanted to take charge Poisons by private Limited Company manufacturing well-known Dental Anesthetics and other Dental Specialities; few hours weekly or whole time entertained; preference to smart business gentleman able to introduce new preparations; investment not needed, but would entertain offer if mutually suited. Fullest particulars, first letter, to Zirol Co., 1 Bayley Lane Coventry.

**TINCTURE-MAKER** wanted by a Wholesale firm; must be acquainted with Press; permanency; state experience and wages. Apply, 222/15, Office of this Paper.

**WANTED**, lady Chemist for provincial House to control the manufacture of Toilet Goods of every description; one who has held similar post preferred; good salary and prospects. Apply, 10/30, Office of this Paper.

**WANTED**, for duration of war, Representative to take over old-established connection; must have thorough knowledge of the Surgical and Sundry trade; ineligible for service. Apply, with full particulars, 10/300, Office of this Paper.

**WANTED**, Manager for Compressed Drug Department, South Lancashire; ineligible military service; state experience, salary, etc. Apply, 21/24, Office of this Paper.

## SITUATIONS OPEN.

(Colonial, Indian and Foreign.)

**3s. 6d. for 50 words or less; 6d. for every 10 words or less beyond, prepaid.** The Advertiser may, if preferred, have replies addressed to this Office, and forwarded on payment of an additional charge of 6d.

**CHINA.**—One or two thoroughly competent Assistants (ineligible for military service); age 21-30; must have had good experience in high-class Retail business; liberal terms; two years' agreement; passage paid out and home. Address, "China" (215/35), Office of this Paper.



## SITUATIONS WANTED.

1s. for 12 words or less; 6d. for every  
10 words or less beyond, prepaid.

The **Advertiser** may, if preferred, have replies addressed to this Office, and forwarded on payment of an additional charge of 6d.

[HOME.]

RETAIL.

**ASSISTANT**, unqualified, C3; 23, desires change; present engagement three years; Dispensing, Counter, Photography; state salary and hours. Apply, 222/3, Office of this Paper.

**ASSISTANT** or Managing Assistant; 31; unqualified; ineligible; married; all-round experience; competent; Country town preferred; disengaged May 22nd. Offers to "Senega" (221/30), Office of this Paper.

**ASSISTANT** or Part-time; exempted; unqualified; Dispensing, Retail, Window-dresser; London. 35 Conderton Road, Camberwell, S.E.

**BRANCH Manager** or Locum; disengaged; unqualified; good references; Dispensing and Retail; abstainer; unmarried; abroad not objected to. "Extractor" (223/37), Office of this Paper.

**BRANCH Manager**; 50; married; medium-class Business; Manchester or neighbourhood preferred; personal interview if desired. Apply R., 266 Oxford Road, Manchester.

**BRANCH Manager**; Assistant Extractor; 25 years' experience; recommended by present employer. "Statim," 278 Haydon's Road, Wimbledon, S.W. 19.

**HOSPITAL**, Institution; Dispense; willing assist generally; married. "Disengaged," 106 Liverpool Road, Islington.

**JUNIOR** or Improver; female; twelve months' experience in West-End Pharmacy. I. M. Hunt, 58 Gloucester Road, S.W. 7.

**LADY Dispenser** (Hall), some Hospital experience, desires post as Assistant in Hospital, Institution, or with Doctor, in or near London; Locum or permanent. M. Pole, Christ Church Vicarage, Chislehurst.

**LADY Dispenser** and Bookkeeper desires post; disengaged; good references. Apply, 210/28, Office of this Paper.

**LADY**, 19, disengaged, desires berth; London; Counter and N.H.I. experience; Wholesale Clerk or Retail. Elliott, 163 Camden Road, N.W. 5.

**LADY Dispenser** and Bookkeeper desires post with Doctor; permanent or Locum; good experience and good references; please state salary and particulars. Apply 223/34, Office of this Paper.

**LADY**; Counter, Stock, Window Dressing; good saleswoman; full or part time; state salary. A., Noel Park Drug Stores, Salisbury Road, Wood Green.

**LADY Dispenser** (Hall), good experience, desires post with Doctor or Chemist. Apply, Lewis, 6 Achilles Road, West Hampstead, N.W. 6.

**LADY** (unqualified) desires post Chemist's; London district. Apply, 222/27, Office of this Paper.

**LADY Dispenser** (Hall) requires post; Yorkshire preferred. Bacon, "Heathfield," Buckingham Road, Doncaster.

**LADY Dispenser**, good experience, desires post with Doctor or Chemist, in or near Bradford. Apply, 223/15, Office of this Paper.

**LADY Dispenser**, qualified, desires post Hospital or with Doctor; General Hospital experience. Apply, 224/38, Office of this Paper.

**LOCUM**; 43; tall; or season seaside. Howes, 15 Hexthorpe Road, Doncaster.

**LOCUM**; provincial preferred; qualified. West, 47 Vicarage Road, Leyton, London, E. 10.

**LOCUM**; 47; Minor; well recommended; moderate terms; disengaged. Apply, 223/14, Office of this Paper.

**LOCUM**; qualified; excellent references; over 30 years' first-class London and provincial experience; disengaged from May 17th. Parker, 50 Bloomsbury Street, W.C.

**LOCUM**, free for engagements during May. "M.P.S.," Stonehouse, Glos.

**LOCUM**; first-class work; good remuneration expected; age 45; thoroughly experienced. Apply, 225/7, Office of this Paper.

**MANAGER** or Assistant; 46; experienced Dispenser and Counterman; active; 8 years Manager; disengaged; unregistered. "Statim," Wertoner, 16 Chestnut Avenue, Bourne-mouth East.

**MANAGER** or Locum; town or country; unique experience; active; middle-aged. "M.P.S." (219/32), Office of this Paper.

**MANAGER**; 30; married; C2; excellent experience; reliable references. "Ferri" (223/2), Office of this Paper.

**MANAGER**, qualified, middle-aged, desires change; all replies in confidence; competent and reliable. Apply, 224/31, Office of this Paper.

**QUALIFIED Manager**, by energetic elderly man; no objection to N.H.I.; reliable references; permanency or temporary; London, suburbs, or Southern Counties only. Apply, 222/2, Office of this Paper.

**QUALIFIED**; 27; married; South of England preferred but not essential; B2 (not labour). "M.P.S.," 46 Newtown Street, Colne, Lancs.

**REGISTERED**; ineligible; Superintendent or light duties. Apply, 223/8, Office of this Paper.

**WHAT OFFERS?**—15 years' experience, mostly Dispensing; discharged from Army; married; age 30; business with view to purchase would entertain. Apply, 222/33, Office of this Paper.

**YOUNG Lady**, for Counter and Stock; experienced. "Aspirin," 79 Eagle Road, Wembley.

## WHOLESALE.

Price-lists, trade circulars, samples, and printed matter can be as case be forwarded, the Box numbers being intended exclusively for specific answers to particular advertisements. The Publisher reserves the right to open and refuse to forward any communications received which he may consider contrary to this rule.

**TRAVELLER**; open to represent good firm; Toilet Articles, Perfumes, or Patent Foods; ineligible; connection United Kingdom (London excepted); best references; active; good address. Apply, 223/1, Office of this Paper.

**WANTED**, in Wholesale House (Perfumery or Patent Medicines), as Stockkeeper or Order Clerk; capable of taking charge; 37; ineligible; 14 years' experience. Apply, 218/35, Office of this Paper.

**YOUNG Chemist** (Russian subject), University trained, two years' experience with large Chemical firms, requires suitable position. Apply, 210/40, Office of this Paper.

## MISCELLANEOUS.

**SHOWCASES**.—Large quantity of All-Glass Counters (second-hand), Silent Salesman, and upright Cases with glass shelves; most useful and paying adjuncts to any Pharmacy; make splendid show; moderate prices; all other Pharmacy Fittings ready for immediate use. PHILIP JOSEPHS & SONS, LTD., 93 Old Street, London, E.C. 1.

**SECOND-HAND Chemists' Fittings**.—We have an exceptionally fine selection of these in all sizes; prices are right, and goods are in first-class condition; we shall be pleased to supply particulars and prices. Call or write, RUDDUCK & CO., 262 Old Street, London, E.C.

**71** CWT. Gum Arabic pulv., in bulk or 56-lb. tins, for Disposal; offers wanted for whole or part. Apply, 221/21, Office of this Paper.



## Pharmaceutical Council Election, 1917

### TO THE MEMBERS OF THE PHARMACEUTICAL SOCIETY:—

DEAR SIR,

The County of Surrey Association of Pharmacists has nominated me as a candidate for the forthcoming Pharmaceutical Council Election, and I have consented to allow my nomination to go forward, and appeal for your support.

Owing to paper restrictions it is impossible to send an address to every Member of the Pharmaceutical Society.

I am an actual working Pharmacist, and have a personal knowledge of the whole of the business, especially in regard to trading conditions of Insurance dispensing.

The better organization of the profession is one of the principal points in pharmaceutical work. At present there are many Pharmacists who seem to be outside any Association. I should suggest that every Pharmacist should be in some way or other linked up to an Association, that the Local District Associations should be represented on the Pharmaceutical Committees and County Associations, and these, as they are at present, electing members to the Council and Local Associations Executive. Practically this scheme covers the federation of local areas, which I am strongly in favour of.

It has been suggested that the Council of the Society should interfere with trade matters. This I cannot hold with. The Society should look after the professional status of Pharmacists. Trade matters should be conducted by, say, the Local Associations Executive or some other body on which the Pharmaceutical Society should have a certain amount of representation.

I am in favour of increasing the remuneration of National Insurance Dispensing by increasing the Dispensing fees, as I believe this is where our professional skill should be recognised and adequately paid for.

The educational policy of the Society will have to be re-arranged, as one can see difficulties which will arise on the termination of the War.

I have acted as Hon. Secretary of the County of Surrey Pharmacists' Association since it was first formed, and am the Secretary of the Surrey County Pharmaceutical Committee. The duties in connection with these two offices have brought me into close acquaintance with all those difficulties under which Pharmacists carry on their calling under present-day conditions.

I trust you will therefore give me your support. I can assure you that if elected I will do my best to further the interests of Pharmacists in every way.

Yours faithfully,

**W. H. FOWLER.**

STATION ROAD, REDHILL.

April 23, 1917.

## To Brother Members of the Pharmaceutical Society

**W**E, the undersigned Members of the Council retiring by virtue of the By-Laws, having had the privilege of serving you for the past three years, offer ourselves for re-election in the hope that our experience, coupled with the desire to advance the general interests of Pharmacists, may be deemed of value to the Society and to Pharmacy.

**WE ARE ALL RETAIL PHARMACISTS** in various parts of the country, and it will be our special aim to see that no opportunity is neglected to improve the material interests of those engaged in retail practice in Great Britain.

**NATIONAL INSURANCE.**—We are profoundly dissatisfied with the conditions of the Pharmaceutical service under the Act, as well as with the utterly inadequate remuneration offered for that service, and will strongly support every effort to secure proper recognition, financial and otherwise, for the important duties discharged by Pharmacists.

**ORGANISATION** is a vital necessity for Pharmacy, and we stand for a progressive policy in its widest and sanest sense; the scrapping of what is wrong, extending what is sound, and generally making our organisation effective to meet the changed conditions of pharmaceutical business and the greater demands on co-operative effort.

**F. E. BILSON**, *Bournemouth.*

**J. H. CUFF**, *Dover.*

**J. F. HARRINGTON**, *London.*

**P. F. ROWSELL**, *Exeter.*

**J. R. YOUNG**, *Warrington.*



## Pharmaceutical Council Election, 1917.

*Fellow-Members of the Pharmaceutical Society.*

WE STAND FOR the promulgation of a concrete policy, on which we can all agree, put forward, not piecemeal, but as a whole; a policy we can recommend in the Public Interest.

FOR the recognition of the Dispensing Chemist as a National Asset, both by the General Public and by Parliament; also for the separation of Prescribing from Dispensing.

FOR greater educational facilities both for the Student and Graduated Pharmacist.

FOR enhanced remuneration for all Pharmaceutical Work both Public and Private.

FOR Territorial Representation of Federated Areas.

FOR reconstituting the Local Associations Executive on a truly democratic basis, for the purpose of dealing with any matters affecting the trade interests of pharmacists.

With every confidence in the policy we stand for, we solicit your votes and interest.

We are, Ladies and Gentlemen, yours obediently,

**ARTHUR H. JENKIN**, London County Association.  
**JAMES KIRKPATRICK**, West Ham, East Ham, and Metropolitan Essex Association.  
 April 1917.

## Pharmaceutical Council Election.

ALL

### PROGRESSIVE PHARMACISTS

are earnestly asked to support  
and to ensure the return of

## FRANK G. HINES

We believe that, of all the candidates, not one has stated his views on pharmaceutical organisation and advancement so convincingly and fearlessly as our colleague.

### GIVE HIM A RECORD VOTE!

York & District Chemists' Association.

## Invest 1/- and make £20 extra Profit!

The "STANDARD" RETAIL PRICE LIST is the most systematic Retail List in existence, besides showing the retail prices for 3j, 5j, 5iv, 3viii, 1 oz., 2 oz., 4 oz., 8 oz., 16 oz., and in many cases grains and minims.

It shows the cost and the rate of profit derived at these prices.

Post Free 1/- Published by

**CHARLES PHILIP, Chemist, HERNE BAY.**

**8/6**

**3 Years**  
**4 Columns**

### Jay Mack's Ledger

gives Yearly Sales, Purchases, Exes., with only 10 mins. work weekly; Easy Stocktaking explained; Form Pages show Balance Sheets and Income Tax Deductions; no previous Book-keeping experience needed.

**10/6**

**4 Years**  
**5 Columns**

On appra. on receipt of cheque. 6d. Booking Fee if returned.

Mack-Ivor,  
Hightown P.O.,  
Crewe.

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Bleasdale, Ucal  
Rimes (Edinb.)

Australia:  
Elliotts,  
C.D.A.

S. Africa:  
Border Drug,  
Gardners.

## HIGH PRICES FOR CAMERAS

Original Cost Price for Vest Pocket Kodaks, R.R. Lens, and Watch Pocket Cameras. Try us for Single Models, Dealers' Stocks, Ensignettes, &c. We reply promptly and courteously, and goods are returned at once, CARRIAGE PAID, if no business is done.

**WATSONS, 84 High St., Sheffield.**

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Developing Spools, 6 Ex., 6d.; 12 Ex., 1/-; V.P.K., 6d. Prints and Postcards up to and including 5x4, 1d. ea.

ENLARGEMENTS. LIST FREE.

Prompt dispatch. Trade discount, 25 per cent. Postage extra.

**MARTIN, Chemist, SOUTHAMPTON.**

## LEVERS' SPECIAL CASH LINES.

**SACCHARIN 330 TABLETS**,  $\frac{1}{2}$  grain in 1.

1 lb. ... 97/6. Cash with order.

Larger quantities, 95/- " " "

**CARBOLIC TOOTH POWDERS.**

3d. size. 18/- per gross. Cash with order.

**SERIES OF 1d. and 2d. OINTMENTS**

(See last week's advt.)

2 gross assorted 1d. } 21/- Cash with order.

3 doz. " 2d. }

All goods carriage paid.

**LEVERS, Elver Works, Moreton St., Manchester.**

## DISPENSING BOTTLES & PHIALS.

CLEAR BLUE TINTED, plain or graduated.  
3 and 4 ounce. 6 and 8 ounce.

12 ounce.

WHITE PHIALS, plain or teapoons.

$\frac{1}{2}$  ounce. 1 $\frac{1}{2}$  ounce.

1 " 2 "

BLUE LOTION BOTTLES, all sizes.

CORKS. Superior quality. No advance in price.

6 and 8 ounce ... 1s. per gross, in 6 gross bags.

Vials ... 10d. per gross, in 3 gross bags.

Delivered free within 7 miles, and to certain stations. Particulars on application.

**I. ISAACS & CO., Glass Bottle Manufacturers,**

106 Midland Road, St. Pancras, London, N.W.1,

or ISLINGTON BOTTLE COMPANY.

7 New Inn Yard, Tottenham Court Road, London, W.1.

Orders sent to either establishment have attention.

Established 100 years.

Bankers: London County and Westminster Bank, Bloomsbury Branch.



## WAR WANTS EXCHANGE.

For the interchange of scarce pharmaceutical products. Minimum charge (prepaid) which includes registration fee: 1/- for six words or less; 2d. per word beyond.

### WANTED.

Principals having any of the following articles to dispose of are requested to notify the fact by postcard or otherwise stating quantity and price to

#### THE WAR WANTS EXCHANGE,

"The Chemist and Druggist," 42 Cannon Street, London, E.C.

Eugallol (221/34)

Iodoglidine (221/34)

Hygiama (221/34)

Sozodont (221/34)

## EXCHANGE COLUMN

One halfpenny per word with name and address. One penny per word if we register the address and attach a number. No advertisement inserted for less than 6d.

### FOR DISPOSAL.

#### DENTAL.

FOR sale, 12 dental showpieces, celluloid and vulcanite. R. Lamb, 123 West End Lane, London.

#### DRUGS AND CHEMICALS.

PHENACETIN and Caffeine Tablets; about 2,500; what offers? E. Bing & Son, Canterbury.

SANAGEN, 5 x 4s. 6d., 10 x 2s. 6d., 12 x 1s. 6d.; clean stock; offers wanted. Humphrey, Chemist, Cleethorpes.

BISMUTH Carb. B.P., overstocked,  $\frac{1}{2}$  lb. at 13s. 9d., 1 lb. 13s. 6d., 4 lb. 13s.; carriage paid. Manars Pure Drug Company, Ltd., 10 High Road, Wood Green, N.

#### MISCELLANEOUS.

10½ DOZ. Empty "D" Bulbs; what offers? Apply, 220/1, Office of this Paper.

16 DOZ. Thermometers (Forbes' specification), in square wood case; 11s. doz., or offers of exchange. R. W. Brooke, Beaconsfield.

5 BARRELS Sweet Edible Cotton-seed Oil, 68s. 6d. per cwt.; single barrels 70s. cwt.; carriage paid. B. Adams, Chemist, Mansfield.

### WANTED.

5 or 10 CWT. Chloride of Lime. Sharman, Northwood.

BLOCK liquorice wanted; not in sticks. Apply, 9/46, Office of this Paper.

MAG. Carb. Pond. wanted; state price and quantity. Apply, "C." (20/61), Office of this Paper.

ANALYTICAL apparatus required; balance, glassware, etc. Particulars, 14/26, Office of this Paper.

THORPE'S "Industrial Chemistry," second-hand, stating volumes and price. Apply, 224/32, Office of this Paper.

WANTED, "Chemist and Druggist" 1915 and 1916 complete. Write Nijhoff, c/o Wm. Dawson & Sons, Ltd., Fetter Lane, E.C. 4.

CHEMIST'S Drawers, 7 in. by 4½ in. by 10 in.; must be within 40 in. long over all, labelled or unlabelled. Murray, 104 Holyrood Road, Edinburgh.

WANTED, good second-hand Spinal Carriage, about 4 ft. 6 in. long, for child. Full particulars and lowest price to Barker, Chemist, Evington Road, Leicester.

OPTICAL books, Minor, Major, Chemists' books; send prepaid for valuation; cash offers per return. Gower, Bookseller, 41 Voltaire Road, Clapham, S.W.

SMALL National Cash Register, second-hand, wanted; self adder; must be in good condition. Write, with full particulars, to F. Robinson, 45 Mansfield Road, Gospel Oak, N.W. 5.

COMPLETE Dentist's Outfit wanted (vulcanite work); chair, lathes, vulcaniser, instruments, etc.; all must be good and reasonable. Full particulars. Apply, 216/2, Office of this Paper.

WANTED, second-hand Tablet Compressing Machines, hand or power, for tablets and lozenge. Also reliable recipes for Thirst Quenchers and Pine Tablets. "Medicine," 70 Walter Road, Swansea.

## Colonial and Foreign News.

**VARNISH-MATERIALS.**—The "Frankfurter Zeitung" states that a new process has recently been patented by Zerning by which products are obtained by "cracking" petroleum which can be oxidised, sulphurated, and nitrated. The carbohydrate is sprayed together with water into the first section of a suitable system of pipes, the first section of which is heated to about 300° Cels., the middle section to 500°, and the end section to 700°. By the nitration of these new substances oil-lacquers and materials for explosives are said to be produced. Nitration in the presence of calcium permanganate produces sweet-scented oils, while suitable treatment with concentrated sulphuric acid produces a substance which is a good substitute for shellac.

**SALE OF HYPODERMIC SYRINGES.**—A Bill to amend the Pharmacy Act of British Columbia has been read a third time in the Legislative Assembly, which aims at restricting the sale of hypodermic syringes. The following is the sub-clause which amends Section 30 of the principal Act:

"It shall be the duty of every wholesale druggist, every manufacturer, and every jobber who sells any article mentioned in the last preceding section to prepare and deliver to the chief constable or chief police officer of the municipality within which the article sold is delivered by the wholesale druggist, manufacturer, or jobber a legible and correct statement in writing showing the nature of the article sold, the quantity sold, the date of delivery of the article, and the name of the purchaser; which statement shall be signed by the wholesale druggist, manufacturer, or jobber, and delivered to the chief constable or chief police officer not later than two days after the delivery of the article. In any case where the article sold is delivered at a place not within a municipality, the statement required by this subsection shall be forthwith forwarded by the wholesale druggist, manufacturer, or jobber by registered mail to the Superintendent of Provincial Police, at Victoria."

**UTRECHT FAIR.**—The first annual Utrecht Fair was held in the first fortnight of March, and is agreed to have been a great success. In the chemical industry section there was considerable evidence of activity in the endeavour to found a national and independent business. Raw and intermediate materials from coal are being produced in great variety by the Krimpen a/d, Ysel. The Chemical-manufactory "Naarden" makes in addition nigrosine, induline, aminoazobenzol, and  $\beta$ -naphthol yellow, as well as essential oils, coumarin, heliotropin, thymol, eucalyptol, eugenol, geraniol, glycerin, and sulphur compounds. Coal-tar products are also the raw material for many of the articles that are made by the Manufactory of Chemical Products "Schiedam," such as antifebrin, acetone,  $\beta$ -naphthol, carbolic acid, acetylcellulose and anilin, ether, acetic acid, nitric acid, formic acid, oxalic acid, lactic acid, chlorinated lime, lead acetate, sodium formate, and sodium sulphate. The Ammonia Manufactory van der Elst en Matthes in Amsterdam and Weesp makes ammonia and its salts. Essential oils are made by Polak's Frutal Works in Amersfoort (who publish a monthly price-list in English) and Polak en Schwarz's Essence Manufactories, Zaandam. Mr. J. J. Hofman, the Hague pharmacist, prepares essences, perfumes, and artificial mineral waters, coniferol, Emser tablets, etc. The firm Landt in Helpin, near Groningen, distils caraway oil, carvol, and carvene. Old Holland in Amsterdam is a manufactory of essential oils of the firm H. Bütter. Soap-manufactories were well in evidence, and produce large quantities of glycerin. Pharmaceutical manufactories were only moderately represented. The firm Brocades & Stheeman, in Meppel, showed some of their new products—namely, non-congealing castor oil and various iodine products and mercurials. The Society for Chemical Industry in Katwijk produces theobromine and theobromine-sodium salicylate (diuretin); the Groningen pharmacist H. G. Winter manufactures bioglobin, a blood preparation of a very agreeable taste, and fluade, a cocoa preparation. The Utrecht pharmacist Koert exhibited his subcutaneous injections (350 different ampoules are mentioned in his price-list); Miss Dr. A. Pilgrim, pharmacist in Arnhem, showed her "Energieen" that is made use of in large quantities at present in Holland in the place of "Sanatogen." A similar product is that of the firm J. E. Schaap & Co., in Nunspeet, namely, "Virogreen." The "Hollandsche Chemische Industrie," Ltd., in Rotterdam, manufactures lactic acid and calcium lactate; compressed oxygen and other gases are made by the company "Oxygenium," in Schiedam and Soerabaya. The manufactory of sulphuric acid G. T. Ketjen & Co., in Amsterdam, showed copper sulphate, sodium sulphate, and liquefied sulphur dioxide. The N.V. Exploitatie Maatschappij der Chemische Industrie Amsterdam, in Ymuiden, produces cod-liver oil. A remarkable product of Dutch industry is "Victoriawater Oberlahnstein."



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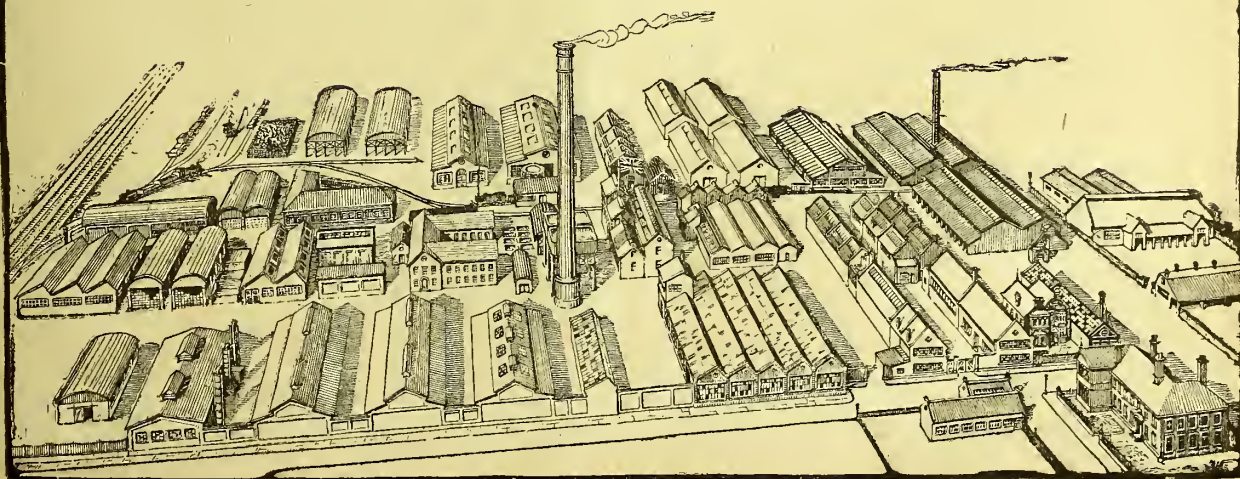
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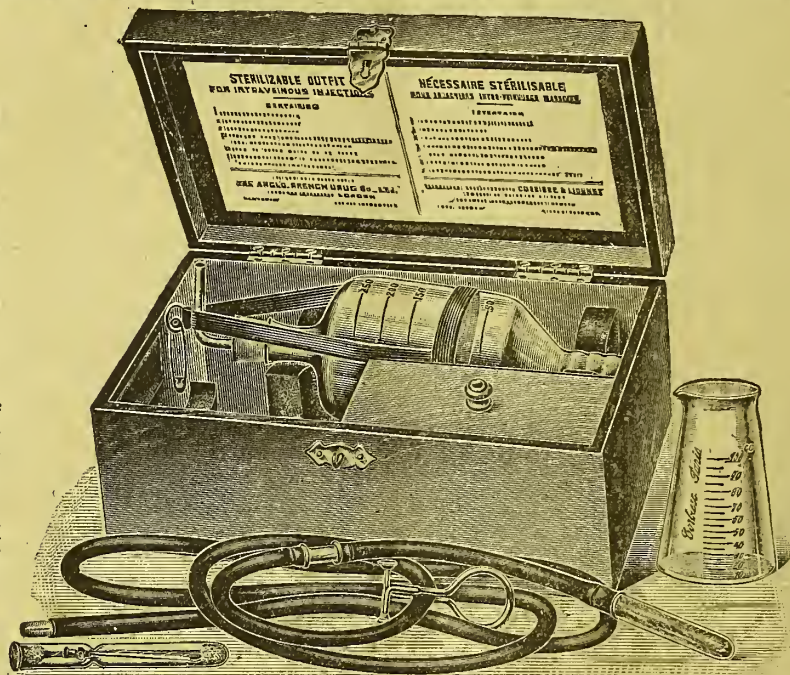


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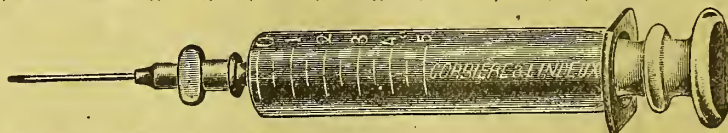
- 1 250 c.c. Graduated Ampoule and rubber stopper and glass tube.
- 1 60 c.c. Graduated Measure.
- 1 Suspension Strap.
- 1 Descending Tube with index and glass nozzle, fitted with short bevelled steel needle.
- 1 ½ oz. bottle Iodéol for sterilizing puncture area.



- 1 Packet Silver Threads for the needle.
- 1 Plated Tube-clip to regulate flow, workable with one hand.
- 1 Glass Stirring-rod.
- 1 Glass Funnel for filtering.
- 1 Packet Sterilized Cotton-wool.

**Price, complete as above, 30/- net.**  
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Complete in nickel case, with 2 needles, „ „ 3/-; „ „ 3/6; „ „ 7/6; „ „ 9/6; „ „ 11/6



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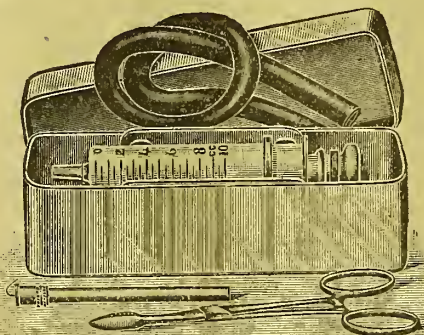


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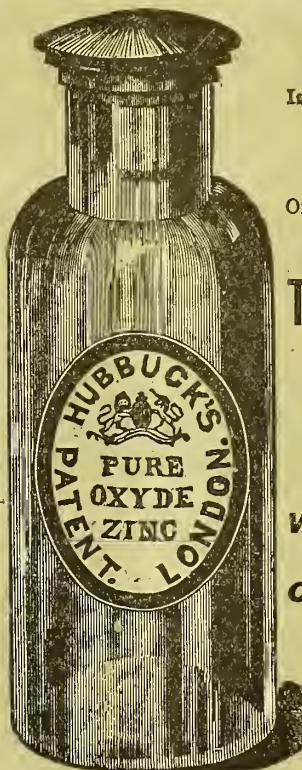
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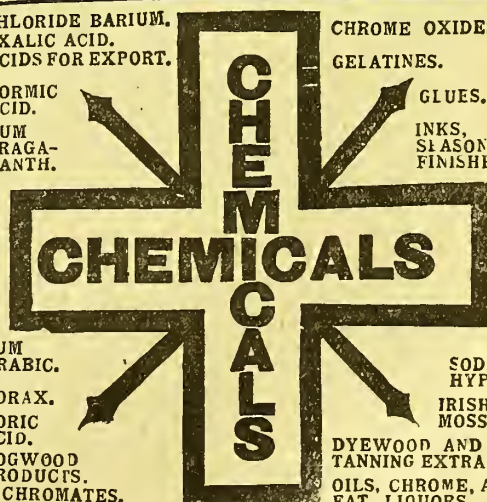
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Hydrochlor. Coml., cases of 4 2-gal. jars, 40/- each; 20 case lots @ 39/- each.

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Adeps Benz., B.P., 28 lbs. @ 1/7 lb.; 7 lbs. @ 1/8 lb.

Ergo Axis Pulv., 14 lbs. @ 2/4 lb.

Aloes Barb., English-ground, 28 lbs. @ 120/- cwt.; 7 lbs. @ 1/3 lb.

Aloes, Socot. 7 lbs. @ 1/5 lb.; powder, 7 lbs. @ 1/7 lb.

Aloin, B.P., 1 lb. @ 5/6 lb.

Ammon. Benz., 1 lb. @ 30/- lb.

Ammon. Brom. P.B., 7 lbs. @ 6/- lb.

Ammon. Carb. lump, 3 cwt. @ 7d. lb.; 28 lbs. @ 8d. lb.; 7 lbs. @ 9d. lb.; powder, 1d. lb. extra.

Ammon. Chlor., 99% pulv., 1 cwt. @ 64/- cwt.; 7 lbs. @ 8d. lb.; Batteries, 6/- cwt. extra.

Amyli Pulv., 10 cwt. @ cwt.; 2½ cwt. @ cwt.; 1 cwt. @ cwt.

Aniseed, English-ground, 1 cwt. @ 120/- cwt.; 7 lbs. @ 1/2 lb.

Antim. Nig. Pulv., 7 lbs. @ 11d. lb.

Antim. Tart. Pulv., 7 lbs. @ 4/- lb.

Aptol, 1 lb. @ 27/6 lb.

Aqua Anethi Conc. 1-40, 1 lb. @ 3/8 lb.

Anisi Conc. 1-40, 1 lb. @ 3/8 lb.

Aurant. Conc. 1-40, 1 lb. @ 6/11 lb.

Aurant. Trip., 6 lbs. @ 8d. lb.; 53 lbs. for 23/-

Cinnam. Conc. 1-40, 1 lb. @ 4/1 lb.

Laurocerasi, 6 lbs. @ 8d. lb.

Menth. Pip. Conc., 1-40, 1 lb. @ 3/9 lb.

Rosæ Conc. 1-40, 1 lb. @ 7/9 lb.

Rosæ Trip., 53 lbs. for 25/-; 6 lbs. @ 8d. lb.

Samb. Conc., 1-40, 1 lb. @ 6/11 lb.

Samb. Trip., 6 lbs. @ 8d. lb.

Asaroba, fine powder, 7 lbs. @ 9/- lb.; 1 lb. @ 9/6 lb.

Argent. Nit., 6's to oz., 25 oz. @ 2/6½ oz.; 1 oz. @ 2/7½ oz.

Argent. Nit., Cryst., 25 oz. @ 2/5 oz.; 8 oz. @ 2/6 oz.

Arsenic, Alb. Pulv., 2 cwt. @ 80/- cwt.; 7 lbs. @ 10d. lb.

Atropina Sulph., P.B., 1 oz. @ 125/- oz.

Auri Chlor., 6 doz. 15 gr. tubes @ 27/3 doz.; 1 doz. 15 gr. tubes @ 27/6 doz.

Bals. Copaiba, pure, 44 lbs. @ 4/9 lb.; 9 lbs. @ 5/- lb.; 1 lb. @ 5/2.

Peruv., P.B., 1 lb. @ 18/- lb.

Sulphur, 7 lbs. @ 1/3 lb.

Tolut. B.P., 50 lbs. @ 2/3 lb.; 1 lb. @ 2/8 lb.

Bismuth, P.B., Carb., 3 lbs. @ 13/6 lb.; 1 lb. @ 14/- lb.; subnit., 3 lbs. @ 12/6 lb.; 1 lb. @ 13/- lb.

Salicyl., 1 lb. @ 2/- lb.

Boracic Mixture, 1 cwt. @ 95/- cwt.

Borax, 1 cwt. @ 44/6; powder 1/- extra.

Butyl-Chloral Hydras., P.B., 1 lb. @ lb.

Caffeine, P.B., 1 lb. @ 48/- lb.

Caffeina Cit., B.P., 1 lb. @ 32/- lb.

Calamina, powder, fine pink, 5 cwt. @ 25/- cwt.; 1 cwt. @ 28/- cwt.; 7 lbs. @ 4d. lb.

Calamine, B.P., 1885, 7 lbs. @ 1/3 lb.

Calcii Carb. Præcip., 5 cwt. @ 21/6 cwt.; 1 cwt. @ 26/- cwt.; 28 lbs. @ 30/- cwt.

Hydras., P.B., 1 cwt. @ 25/- cwt.; 7 lbs. @ 5d. lb.

Hypophosph. Pur., P.B., 1 lb. @ 4/- lb.

Iodid., 1 lb. @ 21/6 lb.

Camphor, English Flowers, "not artificial," 5 lbs. @ 3/8 lb.; ½ oz. or ½ oz. 7 lbs. @ 4/3 lb.; good white, about 95% as imported, 140 lbs. @ 2/4 lb.; 28 lbs. @ 2/6 lb.

Capsicine, soluble, 1 lb. @ 9/6 lb.

Carbo Animalis or Ligni, powder or lump, 1 cwt. @ 25/- cwt.; 28 lbs. @ 3d. lb.

Cardamoms, 28 lbs. @ 2/6 lb.; 7 lbs. @ 3/- lb.

Carmine, Finest, 1 lb. @ 35/- lb.; No. 2, 1 lb. @ lb.

Cesa Alba, B.P., White Moons, 28 lbs. @ 2/5 lb.; 4 lbs. @ 2/6 lb.; Flav. 1 lb. Blocks, 28 lbs. @ 1/10 lb.; 4 lbs. @ 1/11 lb.; 1 oz., ½ oz. tabs., 7 lbs. @ 1/11 lb.

Certi Oxalas, 1 lb. @ 6/6 lb.

Cetaceum, No. 1, fine white, 64 lbs. @ 11d. lb.; 7 lbs. @ 1/2 lb.; powder, 7 lbs. @ 1/6 lb.

Chloral Hydras Cryst., B.P., 7 lbs. @ 10/9 lb.; 1 lb. @ 11/3 lb.

Chlorodyne, 5 lbs. @ 3/- lb.

Chloroform, pure, B.P., 12 8-lbs. @ 3/9 lb.; 8 lbs. @ 3/11 lb.; 6 1-lb. bots. @ 4/3 lb.

Cocaine Hydrochlor., 1 oz. @ 31/-

Codeina, 1 oz. @ 23/6 lb.; Phosph., 1 oz. @ 19/6 oz.; Hydrochlor. or Sulph., 1 oz. @ 20/6 oz.

Colocynth, Apple, English ground, 1 cwt. @ 1/4 lb.; 28 lbs. @ 1/5 lb.; 7 lbs. @ 1/7 lb.

Composition Powder (Cofin's), 1 cwt. @ 70/- cwt.; 7 lbs. @ 9d. lb.

Conf. Sennæ, P.B., 14 lbs. @ 1/2 lb.; 7 lbs. @ 1/3 lb.

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Cinchon. Rub. (Quill), 7 lbs. @ 1/7 lb.

Umi Fulvay, Pulv., 1 cwt. @ 11d. lb.; 7 lbs. @ 1/1 lb.

Cream of Tartar, 98% powder, 1 cwt. @ 217/- cwt.; 7 lbs. @ 2/1 lb.

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Cæta c. Campb., 7 lbs. @ 11d. lb.

Gall. Pulv., in sacks, 10 cwt. @ 12/- cwt.; 1 cwt. @ 13/- cwt.; 14 lbs. @ 1d. lb.

Præparata, 7 lbs. in box @ 1/3 each.

Caneba, English Ground, 28 lbs. @ 3/3 lb.; 7 lbs. @ 3/6 lb.

Dec. Aloes Co. Conc. 1-2, 6 lbs. @ 2/1 lb.; Sinecroco, 6 lbs. @ 1/4 lb.

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Emp. Picis, P.B., 7 lbs. @ 1/1 lb.

Plumbl, P.B., 7 lbs. @ 1/1 lb.

Resina, P.B., 7 lbs. @ 1/1 lb.

Roborans, 7 lbs. @ 1/1 lb.

Emulsio Ol. Morrhuæ, 5 lbs. @ 1/6 lb.

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Ferri Carb., 14 lbs. @ 6d. lb.

Ferri et Quinina Cit., P.B., 100 oss. @ 11d. oz.; 25 oss. @ 1/- oz.

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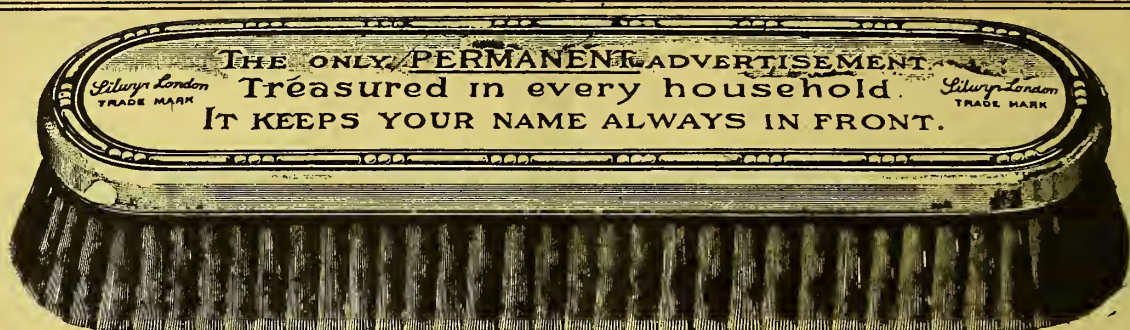
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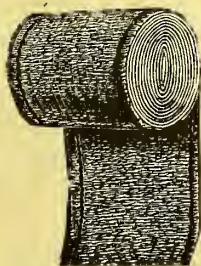
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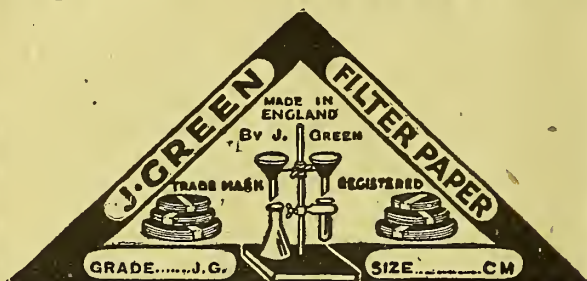
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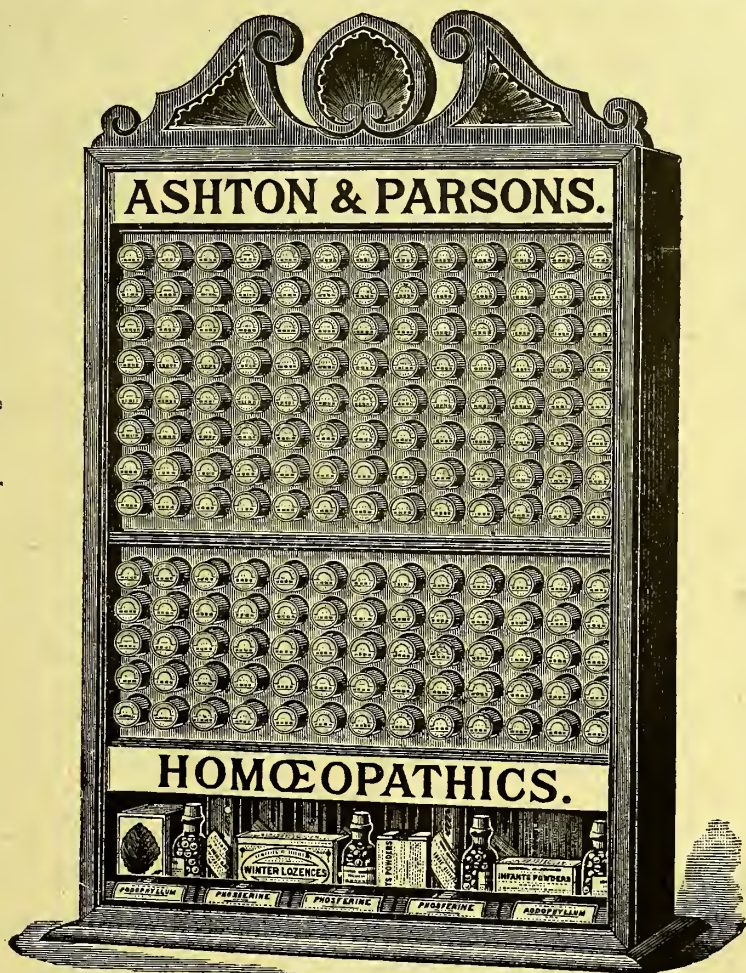
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